student drug use 1991

highlights report

november 1991

Nova Scotia
Department of Health

Drug Dependency Services

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We thank Lisa Van t'Hof, LaJune Naud, Department of Education, and other school officials for their contribution to the project. Special thanks to the teachers who administered the survey and to the students who completed it. We also wish to acknowledge the numerous other individua's who added their expertise to the questionnaire design and the editing of this project.

* Affiliated with Dalhousie University during the survey design and data collection phases of this project.

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Introduction

Since the founding of the Nova Scotia Commission on Drug Dependency[1], periodic surveys to estimate the prevalence of alcohol, tobacco and other drug use among school youth have been conducted. The 1991 Survey on Student Drug Use is the fourth such survey and marks the first time students from all regions of the province have been questioned simultaneously.

The ultimate goal of the 1991 Survey on Student Drug Use is to decrease the prevalence of harmful and problematic drug use by Nova Scotian students. Our hope is that the information presented in this report will provide a catalyst for the improvement of prevention, intervention, and treatment programs throughout the province.

The recommendations presented at the end of this report provide suggestions for the development of strategies to reduce problematic student drug use. Any attempt to address this issue should be a coordinated effort by individuals and groups concerned with the well-being of youth. We hope that this highlight report will help in your prevention, intervention and treatment efforts.

1. The Nova Scotia Commision on Drug Dependency is now a division of the Department of Health. Its new name, Drug Dependency Services (DDS) will be used throughout the remainder of this report.

The Survey

The **1991 Survey on Student Drug Use** questioned over 3,400 students from 175 grade 7, 9, 10, and 12 classes throughout the province in April 1991. Students were asked 72 questions on demographics, drug use, risk factors, and educational opportunities. The data provided provincial prevalence rates as well as information on gender, grade, and regional differences in drug use. In order to simplify the comparison between different areas of Nova Scotia, the province was divided into four regions — Cape Breton, Halifax-Dartmouth Metropolitan and County (Metro), North [1], and South [2]. The map below illustrates these regions.

1. *North included Colchester, East Hants, Cumberland, Pictou, Antigonish, and Guysborough School Boards.*

2. *South included Hants West, Kings, Annapolis, Digby, Clare-Argyle, Yarmouth, Shelburne, Queens, and Lunenburg School Boards.*

The figures and tables present results for the total sample unless otherwise noted. When reading this report, please keep in mind that the results are based on a sample that represents approximately 50,000 Nova Scotian students. This means that even if only 10% of students report using a certain drug, they may represent over 5,000 grade 7, 9, 10, and 12 students in the province.

This was a junior and senior high school student drug use survey. As such, the results cannot be generalized to other populations such as younger students, junior and senior high students in grades 8 and 11, college and private school students, and adolescents no longer in school. In addition, there was no attempt to survey students who were ill or otherwise absent from class on the day the survey was administered.

The fact that the students reported on their own drug use raises several questions:

- Do students over- or under-report their use of alcohol and other drugs?
- Can students accurately recall their drug-taking behaviour of the past 12 months?
- Would the results be different if parents or teachers were asked about their childrens' and students' drug use?

Although these questions cannot be unequivocally answered, researchers predominately rely on self-report instruments for major student drug use surveys. While a discussion of the numerous checks and balances used to enhance the reliability and validity of this questionnaire is beyond the scope of this report, we are confident that the results are an accurate reflection of students' drug use in Nova Scotia.

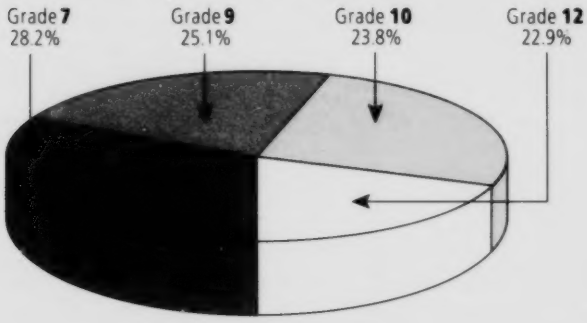
If you would like more information on the methods used in this survey, or a more detailed presentation of the results, **Student Survey on Drug Use — Technical Report 1991** *is available from Drug Dependency Services.*

Demographics

The information in this report is based on the results of 3,445 student surveys. Approximately 51% of the sample were females. Of the 180 classes selected to participate, 175 (97%) returned completed surveys.

The largest proportion of students was from grade 7 (28.2%); the smallest proportion was from grade 12 (22.9%).

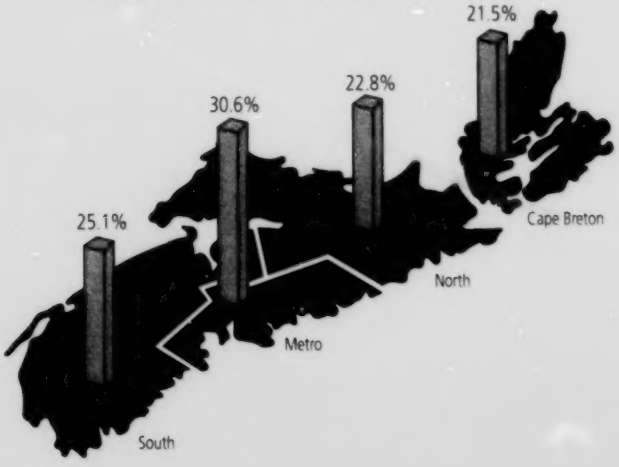
Percentage of Students by Grade



The average ages for grades 7, 9, 10, and 12 students were 13, 15, 16, and 18 respectively.

The actual number of students selected from each region was approximately 10% of the total student population for the region. The Metro Region contained the largest proportion of the total sample (30.6%).

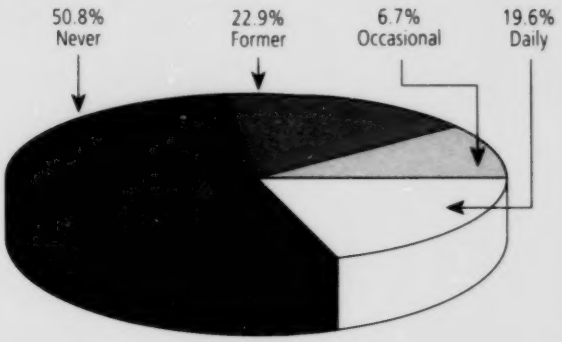
Percentage of Students by Region



Tobacco Use

Half of Nova Scotian students surveyed had tried smoking tobacco. Over one in four still smoked at least occasionally, while almost one in five smoked at least one cigarette a day.

Tobacco Use



Gender Differences

More female than male students had tried smoking. Over 22% of females smoked daily.

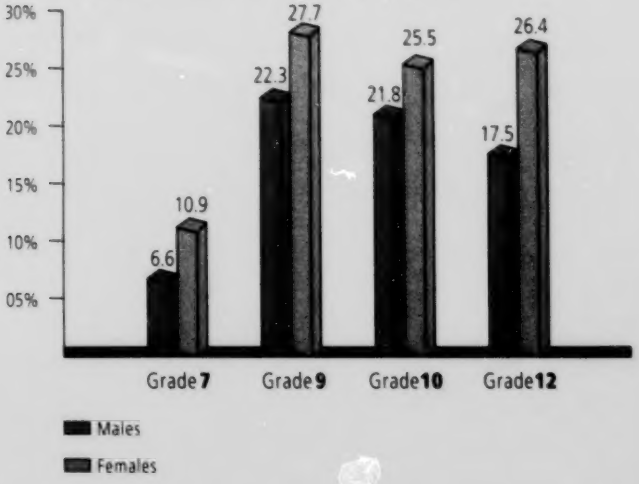
Tobacco Use by Gender

Use	Male	Female
Never	54.8%	47.0%
Former	21.4%	24.4%
Occasional	7.1%	6.3%
Daily	16.7%	22.3%

Grade & Gender Differences

Daily smoking peaked among grade 9 students. The percentage of males who smoked daily declined in high school while the percentage for females remained fairly constant.

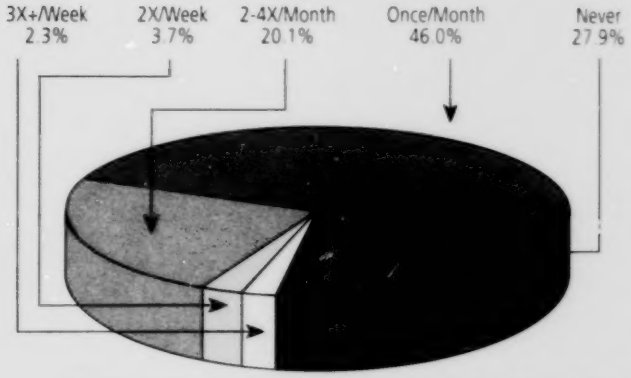
Daily Tobacco Use by Grade & Gender



Alcohol Use

Almost three out of every four students reported consuming alcohol at least once in the 12 months prior to the survey. Students who reported having a sip of alcohol were considered to be drinking once a month or less. Over one in four students reported drinking regularly (twice a month or more).

Frequency of Alcohol Use

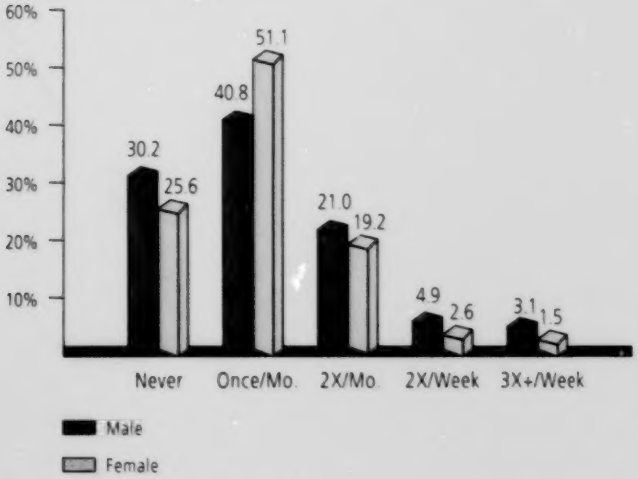


Grade	2-4X/Month	2X/Week	3X+/Week
Grade 7	6.7%	0.8%	1.2%
Grade 9	22.8%	4.2%	2.2%
Grade 10	22.0%	5.2%	2.3%
Grade 12	31.5%	5.2%	3.7%

Gender Differences

Although more females consumed alcohol, a larger percentage of males reported regular drinking.

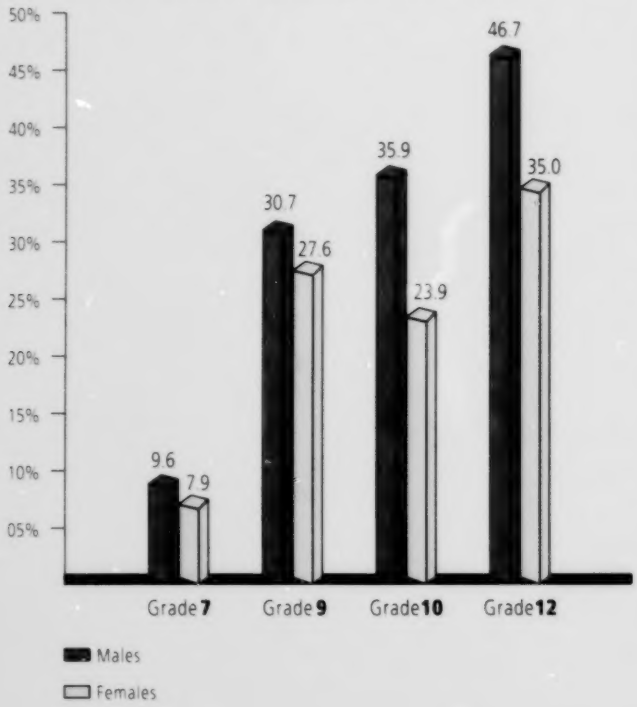
Alcohol Use by Gender



Grade & Gender Differences

The percentage of students who drank twice a month or more increased from grade 7 to grade 12. Almost one in ten grade 7 students drank regularly. By grade 12, almost half of male students and one-third of female students were drinking regularly.

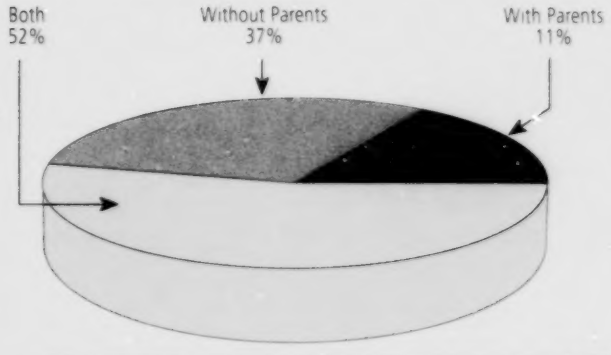
Regular Drinking
Twice a Month or More by Gender & Grade



Drinking with Parents

Over half of the students who reported consuming alcohol drank both with their parents and without their parents. The percentage of students who drank only with their parents declined as the students got older.

Drinking With & Without Parents
Students who have consumed alcohol

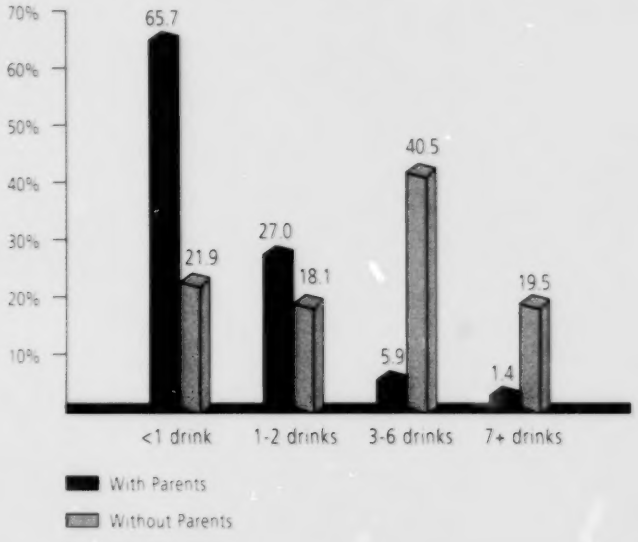


With Parents Only

Grade7	Grade 9	Grade 10	Grade 12
28.7%	11.1%	9.3%	3.8%

When students drank with their parents, the majority drank less than one drink. When students drank without their parents, six in ten drank more than three drinks, one in five averaged more than seven.

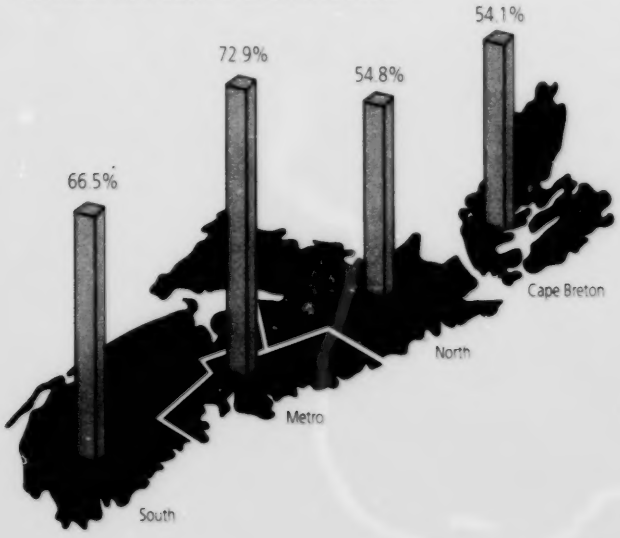
Number of Drinks per Sitting
With parents vs. without parents



Regional Differences

Compared to students who drank in Cape Breton, students in the Metro region who drank were more likely to drink with their parents.

Drink with Parents at least Some of the Time
Students who have consumed alcohol



Number of Drinks per Sitting

Grade & Gender Differences

Male students in each grade consumed more drinks per sitting than their female classmates. Heavier consumption increased with grade for both genders. Almost 50% of males who drank in grade 12 consumed seven or more drinks per sitting.

Number of Drinks per Sitting by Gender and Grade

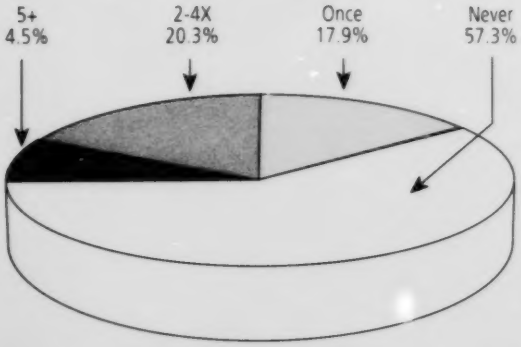
Frequency		Gr. 7	Gr. 9	Gr. 10	Gr. 12
Two drinks or less	M	80.7%	43.5%	32.7%	18.0%
	F	82.5%	53.1%	46.8%	33.2%
Three to six drinks	M	13.4%	32.6%	32.0%	32.9%
	F	13.7%	37.0%	43.1%	56.1%
Seven or more drinks	M	5.9%	23.9%	35.3%	49.1%
	F	3.8%	9.9%	10.1%	10.8%

While the table above shows that males tended to drink more drinks per sitting, quantity figures may not be an accurate reflection of involvement with alcohol. The typical female does not require as much alcohol to reach the same level of intoxication as the typical male. Several factors besides quantity of alcohol consumed need to be considered, including body weight and physiological make-up. The following information on episodes of drunkenness, drinking situations, and associated problems indicate that males and females who drink share several characteristics, even though males tend to drink more per sitting.

Episodes of Drunkenness

More than four out of every ten students who reported consuming alcohol reported being drunk in the month prior to the survey (30% of all students).

Episodes of Drunkenness, Month Prior to the Survey
Students who have consumed alcohol



Grade Differences

Almost 10% of all grade 7 students reported being drunk at least once in the month prior to the survey. Over 47% of all grade 12 students reported being drunk.

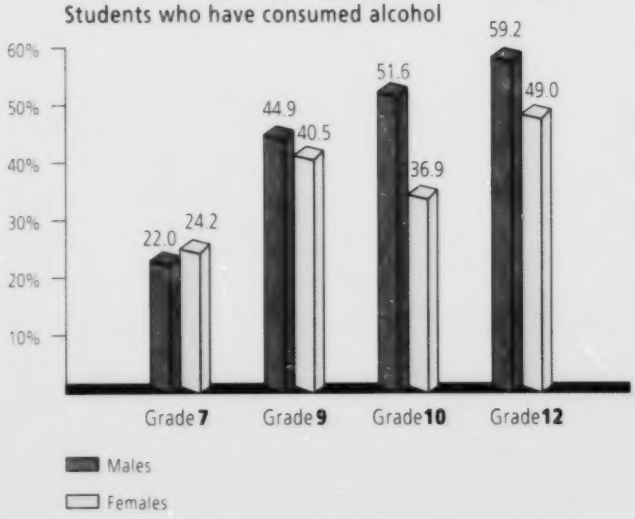
At Least One Episode of Drunkenness in Month Prior to Survey by Grade

Grade 7	9.8%
Grade 9	32.0%
Grade 10	35.7%
Grade 12	47.4%

Grade & Gender Differences

One in five grade 7 students who drank reported being drunk in the month prior to the survey. By grade 12, six in ten males who drank and half of the females who drank reported being drunk in the month prior to the survey.

At Least One Episode of Drunkenness in Month Prior to Survey by Gender and Grade
Students who have consumed alcohol



Blackouts

One in four students who consumed alcohol reported experiencing a blackout when they could not remember what happened to them (18% of all students). The term 'blackout' may have a different connotation for some students—particularly those who do not have a lot of experience with drinking. While some of the students who responded that they experienced a blackout may have actually 'passed out', this finding should not be dismissed since it indicates drinking to the point of loss of control.

Reported Blackouts in the 12 Months Prior to the Survey by Gender and Grade
Students who consumed alcohol

Grade 7	Males	11.7%
	Females	15.0%
Grade 9	Males	24.3%
	Females	28.5%
Grade 10	Males	27.0%
	Females	25.5%
Grade 12	Males	35.0%
	Females	25.5%

Drinking Situations

Before Parties

The majority of students in grades 9, 10, and 12 who consumed alcohol drank before going to parties.

Seven out of ten males who drank in grade 12 drank before parties (60% of all grade 12 males).

Drinking Before Parties by Gender and Grade
Students who consumed alcohol

	Gr. 7	Gr. 9	Gr. 10	Gr. 12
Males	26.0%	54.4%	55.8%	71.5%
Females	26.7%	51.3%	50.4%	55.8%

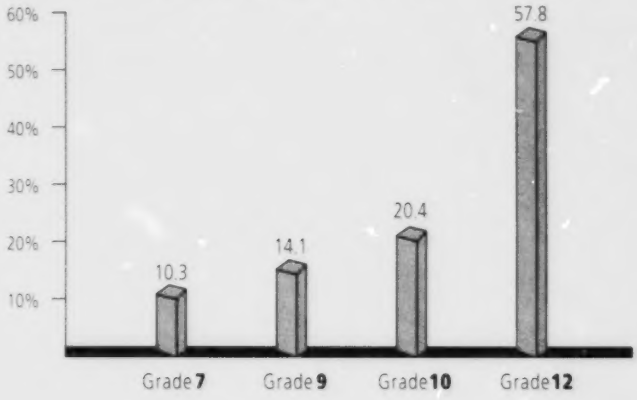
At Breakfast

One in every ten males who drank, and one in every 20 females who drank, reported consuming alcohol before or instead of breakfast at least once in the year prior to the survey.

Bar Drinking

By the time students reached grade 12, over half had been drinking in a bar at least once (58% of grade 12 students who drank). One in 25 grade 7 students (10% of grade 7 students who drank) reported drinking in a bar at least once.

Drinking in a Bar by Grade
Students who have consumed alcohol



Drinking Alone

Almost one in four students who drank reported drinking alone in the year prior to the survey (16% of all students). The percentage of females who drank alone peaked in grade 9 and decreased in high school.

Drinking Alone by Gender and Grade
Students who consumed alcohol

	Gr. 7	Gr. 9	Gr. 10	Gr. 12
Males	20.7%	29.1%	24.7%	27.0%
Females	26.4%	26.7%	18.5%	14.7%

Alcohol-related Problems

Over 11% of all students reported the cost of buying alcohol made them give up buying other things. Almost one in ten reported their drinking has caused tension with family or friends.

Alcohol-related Problems

Tension with family/friends	9.7%
Money problems	11.4%
Trouble with teachers	2.3%
School work problems	3.0%
Police	4.3%
Violence/vandalism	8.6%
Personal injury	10.1%

Gender Differences

Males who drank reported more trouble with police, more personal injury and more violent behaviour associated with their alcohol use than females who drank.

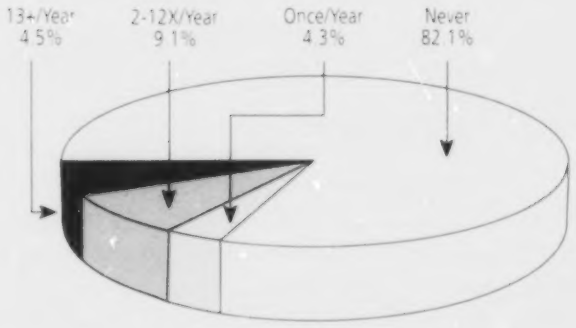
Alcohol-related Problems by Gender
Students who consumed alcohol

Police	Males	9.0%
	Females	3.6%
Personal injury	Males	17.1%
	Females	12.3%
Vandalism/violence	Males	17.2%
	Females	8.0%

Cannabis Use

Marijuana and hashish were the illicit drugs most commonly used by Nova Scotian students. Almost one in five reported using cannabis at least once in the 12 months prior to the survey. Heavier use of cannabis (over 12 times in the year) was reported by one in every 20 students.

Cannabis Use



Grade & Gender Differences

The percentage of male students who used marijuana and/or hashish increased in the higher grades. By grade 12, almost two in five males used cannabis in the year prior to the survey. Approximately one out of every five female students in grades 9, 10 and 12 used cannabis in the year prior to the survey.

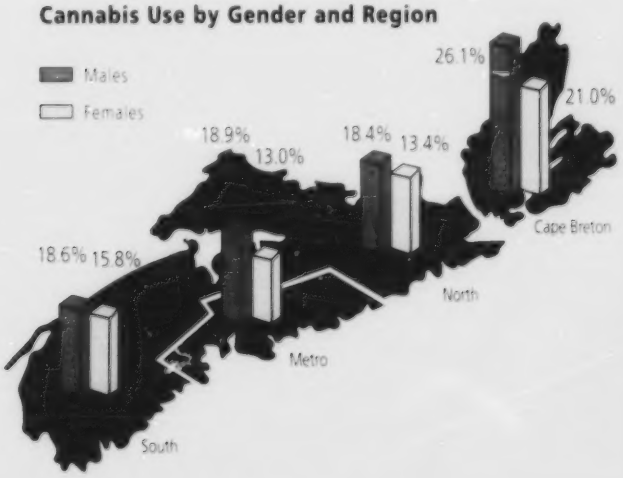
Cannabis Use by Gender and Grade

	Gr. 7	Gr. 9	Gr. 10	Gr. 12
Males	5.7%	19.5%	24.7%	37.1%
Females	4.3%	18.8%	18.8%	20.9%

Region and Gender Differences

Both males and females in Cape Breton reported more cannabis use than their counterparts in any of the other three regions.

Cannabis Use by Gender and Region



Other Illicit Drugs

Use of illicit drugs, including LSD, cocaine, psilocybin, PCP, street tranquillizers, downers, speed, and heroin, was also reported by Nova Scotian students. More than one out of every ten students used at least one of these illicit drugs in the 12 months prior to the survey.

Illicit Drug Use

Never	86.8%
At least once	13.2%

Types of Illicit Drugs

LSD was the most commor.ly used illicit drug after cannabis. One out of every ten students in grades 9, 10, and 12 tried LSD; one in 100 used LSD over 13 times. As was the case with marijuana and hashish, illicit drug use tended to be infrequent. Over 50% of students who reported using illicit drugs tried them only once in the year.

Illicit Drug Use by Type

	Once	2-12X	13+X
LSD	2.4%	4.0%	0.8%
Speed	2.3%	2.6%	0.4%
Magic Mushrooms	1.8%	2.3%	0.1%
Tranquillizers	0.8%	1.6%	0.3%
Barbiturates	0.8%	1.4%	0.2%
Cocaine	0.9%	0.8%	0.2%
Crack	0.8%	0.8%	0.1%
Heroin	0.6%	0.8%	0.1%
PCP	0.6%	0.4%	0.1%

Grade & Gender Differences

There were few differences in male and female use of these illicit drugs in junior high school. Males in high school reported more use than females. One in five grade 12 males used at least one illicit drug in the year prior to the survey.

Illicit Drug Use by Gender and Grade

	Gr. 7	Gr. 9	Gr. 10	Gr. 12
Males	4.9%	14.9%	19.5%	20.5%
Females	5.4%	15.6%	15.0%	13.1%

Inhalant Use

Sniffing solvents such as gasoline and nail polish remover was more common than sniffing glue. Frequent inhalant use is uncommon, less than 3% of students sniffed glue or solvents more than once in the 12 months prior to the survey.

Inhalant Use, Glue and Solvent Sniffing

	Glue	Solvents
Once	2.2%	4.8%
2-12X	1.8%	3.3%
13+X	0.2%	0.5%

Unlike other drugs, inhalant use was more common among junior high students. Over one in ten junior high students sniffed glue or solvents in the past year.

Inhalant Use, Junior vs. Senior High

	Junior	Senior
Never	88.0%	93.2%
At least once	12.0%	6.8%

Ice Use

Ice is the street name for a methamphetamine drug that has been reported in other areas. Although the RCMP is not aware of any ice use in Nova Scotia, 3.5% of the students surveyed indicated that they have used it. A possible explanation for this may be the tendency for the word of a new drug to precede its actual presence. That is, students may be using another drug and thinking that it is ice.

Injection Drug Use

In the 12 months prior to the survey, 3.7% of students reported injecting heroin, speed, or LSD. Almost 1% (0.8%) reported sharing needles or syringes—a practice that places them at risk of HIV infection.

Anabolic Steroid Use

Because of the increasing awareness of anabolic steroids, the 1991 survey included a question on its use. Approximately one out of every 22 males reported using anabolic steroids to increase their performance in sports or to change their physical appearance. Less than one in every 100 females reported anabolic steroid use.

Accessibility to Alcohol, Cannabis, Cocaine

The percentage of students who reported that it was impossible for them to get alcohol, cannabis, or cocaine declined among older students.

Half of the grade 7 students reported they could get alcohol. For grade 12 students, almost all reported they could get alcohol and over three in ten reported they could get cocaine.

Accessibility to Alcohol, Cannabis, Cocaine by Grade

	Gr. 7	Gr. 9	Gr. 10	Gr. 12
ALCOHOL				
Easy	32.6%	63.8%	73.1%	90.0%
Difficult (but possible)	17.9%	14.0%	11.0%	3.6%
CANNABIS				
Easy	10.0%	29.2%	38.2%	46.5%
Difficult (but possible)	8.5%	12.2%	13.4%	10.1%
COCAINE				
Easy	3.9%	10.7%	14.6%	15.4%
Difficult (but possible)	8.8%	16.4%	19.0%	19.9%

Since 1986...

The 1986 Survey on Student Drug Use questioned over one thousand students in Halifax. This section will compare some of the key findings from that study to results from the Metro region of this survey[1]. Unfortunately, differences in the way various questions were asked, changes in the data collection strategy, and small sample sizes make comparisons between the two surveys difficult. Additional information on trends from the 1986 survey, as well as from earlier surveys, will be released as it becomes available.

Tobacco Use

Fewer students reported smoking daily in the present study. Although there are still more female students who smoke daily, gender differences appear to be disappearing.

Students Reporting Smoking Daily for the 12 Months Prior to Each Survey
1986 vs. 1991 by Gender and Grade

Year		Gr. 7	Gr. 9	Gr. 10	Gr. 12
1986	M	21.0%	14.4%	22.5%	26.4%
1991	M	6.2%	26.3%	23.6%	14.2%
1986	F	8.7%	41.0%	34.4%	32.0%
1991	F	9.1%	26.8%	28.5%	22.7%

Alcohol Use

While the percentage of students who reported consuming alcohol in the past 12 months has not changed in five years, the results of the 1991 survey suggest that the regular drinking (drinking twice a month or more) has decreased in high school.

Students Reporting Regular Drinking During the 12 Months Prior to Each Survey
1986 vs. 1991 by Gender and Grade

Year		Gr. 7	Gr. 9	Gr. 10	Gr. 12
1986	M	14.1%	27.7%	39.6%	69.8%
1991	M	11.3%	30.5%	31.8%	47.1%
1986	F	8.9%	27.7%	37.8%	61.1%
1991	F	6.6%	27.0%	27.1%	30.2%

1. To ensure that this section was comparing similar population samples, Halifax county schools were not included in the results.

Cannabis Use

There appears to be a general decline in the prevalence of marijuana and hashish use since the 1986 survey.

Students Reporting Cannabis Use over the 12 Months Prior to Each Survey
1986 vs. 1991 by Gender and Grade

Year		Gr. 7	Gr. 9	Gr. 10	Gr. 12
1986	M	14.0%	17.3%	32.0%	53.1%
1991	M	6.2%	19.5%	16.5%	33.3%
1986	F	3.7%	32.5%	29.6%	39.7%
1991	F	2.7%	17.4%	16.1%	17.1%

Other Drugs

Use of other illicit drugs such as LSD, nonprescription stimulants, and cocaine is still reported by a minority of the student population. While male students' use of these drugs does not appear to have changed much in five years, female students in high school reported less drug use than their counterparts five years ago.

Students Reporting Hallucinogen Use over the 12 Months Prior to Each Survey
1986 vs. 1991 by Gender and Grade

Year		Gr. 7	Gr. 9	Gr. 10	Gr. 12
1986	M	2.0%	4.9%	11.7%	13.5%
1991	M	3.2%	14.3%	11.8%	14.2%
1986	F	—	10.9%	11.7%	11.5%
1991	F	1.3%	10.6%	5.7%	3.2%

Students Reporting Non-prescription Stimulant Use over the 12 Months Prior to Each Survey
1986 vs. 1991 by Gender and Grade

Year		Gr. 7	Gr. 9	Gr. 10	Gr. 12
1986	M	4.0%	8.4%	7.8%	8.2%
1991	M	2.1%	3.6%	5.9%	3.8%
1986	F	2.2%	18.1%	14.0%	12.8%
1991	F	3.9%	8.2%	4.6%	3.2%

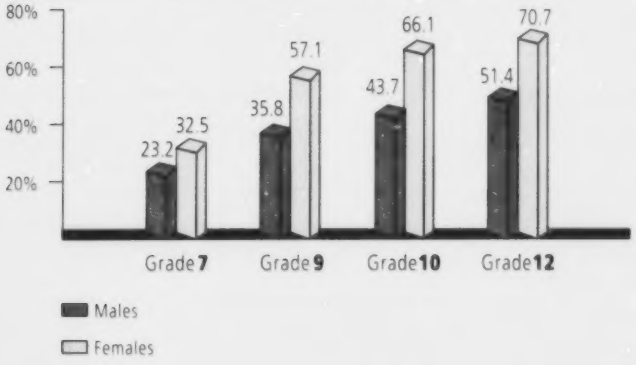
Students Reporting Cocaine Use over the 12 Months Prior to Each Survey
1986 vs. 1991 by Gender and Grade

Year		Gr. 7	Gr. 9	Gr. 10	Gr. 12
1986	M	3.1%	—	5.8%	8.3%
1991	M	2.1%	1.2%	3.5%	3.8%
1986	F	—	1.2%	3.0%	5.1%
1991	F	1.3%	3.5%	3.4%	2.2%

Expressing Concern

The percentage of students who expressed concern to a friend about his or her use of alcohol or other drugs increased with grade. Female students were more likely to express concern than their male classmates. Seven out of every ten females in grade 12 have confronted a friend about his or her use of alcohol or other drugs.

Students Who Have Expressed Concern over Friends Alcohol or Other Drug Use by Gender & Grade



Accessing Help

Females were more likely to take action if they or a friend had a problem with alcohol or another drug. Very few adolescents reported they would directly access formal agencies for help. The majority of adolescents would talk to friends. Approximately 14% of males responded that they would do nothing.

Answers to "What would you do if YOU had an alcohol or drug problem?" by Gender

Response	Male	Female
Nothing	14.1%	4.9%
Talk with friends	25.1%	35.7%
Talk with family	27.1%	22.2%
Talk with teacher	10.3%	8.9%
Help-line	14.4%	19.4%
Other (includes police & DDS)	11.0%	8.9%

Answers to "What would you do if a FRIEND had an alcohol or drug problem?" by Gender

Response	Male	Female
Nothing	13.6%	3.0%
Talk with friends	68.3%	76.5%
Talk with family	5.3%	6.6%
Talk with teacher	3.7%	4.3%
Help-line	3.9%	4.5%
Other (includes police & DDS)	5.2%	5.1%

Grade Differences

Older students were more likely to report that they would talk to friends if they personally, or a friend, had a problem with alcohol or another drug.

Talking to Friends

	Gr. 7	Gr. 9	Gr. 10	Gr. 12
Own problem	15.1%	30.8%	35.6%	43.4%
Friend's problem	58.5%	70.7%	78.9%	85.0%

Related Education

Junior high students received more alcohol, tobacco, and other drug education classes than senior high students. Junior high students also received more classes on decision making and peer pressure.

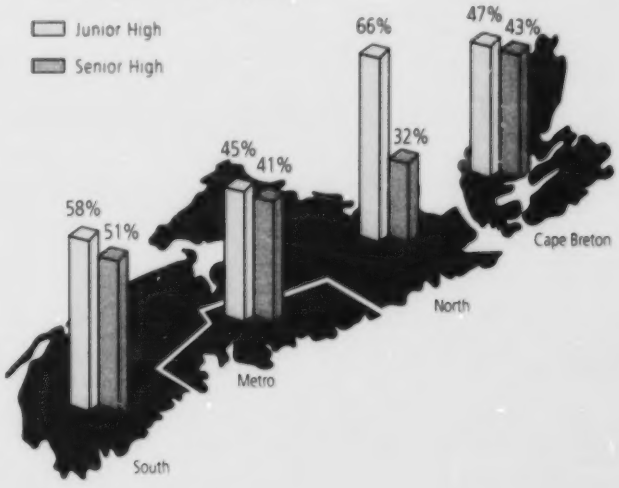
Students Receiving Classes on Alcohol, Tobacco, Drugs and Peer Pressure, Junior vs. Senior High

Alcohol	88.0%	93.2%
Tobacco	12.0%	6.8%
Drugs	88.0%	93.2%
Peer pressure/decision making	12.0%	6.8%

Regional Differences

Almost seven out of every ten junior high students in the North Region reported receiving peer drug education. In the Metro region and Cape Breton, less than half of junior high students reported receiving peer drug education. Percentages were lower among high school students.

Peer Drug Education in Junior & Senior High Schools by Region



Peer Drug Education

Since 1981, Drug Dependency Services has been training senior high students to deliver drug prevention lessons to elementary and junior high students. Peer Power supplements the drug education curriculum provided by the schools. Peer Power, as well as the French adaptation Les Jeunes Au Pouvoir, continues to build on a solid base of regional and local networking.

Almost half of the students had received peer drug education while they were in elementary or junior high school.

Peer Drug Education Exposure

Yes	48.0%
No	38.0%
Unsure	14.0%

Eight out of ten grade 7 students and four out of five grade 9 students reported receiving peer drug education.

Peer Drug Education Exposure by Grade

Gr. 7	Gr. 9	Gr. 10	Gr. 12
80.7%	43.5%	32.7%	18.0%

Recommendations

Survey

The Nova Scotia Student Drug Use surveys have provided accurate information for developing and improving programs to reduce the harmful use of alcohol and other drugs among students.

We recommend that Drug Dependency Services repeat this survey in approximately five years.

Changes made to the most recent surveys have made indepth comparisons to previous studies difficult.

We recommend that uniform standards in methodology and questionnaire design be maintained in future surveys of student or other populations.

The past success of this survey was the result of cooperation between government departments, Dalhousie University, and the public school system. These cooperative efforts should be continued and enhanced.

We recommend that other groups and individuals concerned with student drug use be consulted and their information needs incorporated into future surveys.

The key to the success of this survey depends upon its use by groups and individuals as a resource for improving education, awareness, and intervention programs.

We recommend that the process and outcome of this study and future surveys be evaluated.

The school student population in this survey is just one of the sub-groups of Nova Scotians who use alcohol and other drugs.

We recommend that:

- Drug Dependency Services consider conducting drug use surveys on other populations of Nova Scotians—including adults, university students, senior citizens, and adolescents no longer in school.
- The Evaluation and Research Division of Drug Dependency Services serve as a resource for groups and individuals interested in measuring drug use in selected populations.

Awareness and Education

There were a number of gender, grade, and regional differences in student drug use. Whenever possible, awareness and education programs should reflect these differences. This survey confirmed that alcohol is the drug of choice for most Nova Scotia students.

We recommend that Drug Dependency Services continue to emphasize alcohol in its prevention, intervention, and community awareness education programs.

Alcohol, tobacco, and other drug use was reported by a sizeable minority of grade 7 students—students who are one year removed from elementary school.

We recommend that current elementary school drug awareness and education programs receive high priority.

Although grade 9 and 10 students reported similar drug use behaviour, grade 10 students experienced far less exposure to related education. As well, the majority of grade 12 students reported receiving no tobacco, alcohol, or other drug education in the year prior to the survey.

We recommend that Drug Dependency Services investigate additional strategies to provide awareness and education programming to high school students.

Students indicated a number of different sources for help for alcohol or other drug problems. By the time students are in senior high school, their primary source of help for alcohol or other drug problems are their peers. It is important that senior high students are aware of school and community resources. School policy and procedure should support a caring student assistance process.

We recommend that:

- **Drug Dependency Services provide teachers, other school officials, parents, and the help-line with up-to-date information on school and other drug prevention, intervention, and treatment programs, as well as strategies for accessing resources.**
- **Drug Dependency Services examine alternative ways to provide students with up-to-date information on alcohol and other drug prevention, intervention, and treatment programs and ways to access these programs and activities.**

Related Publications

These publications are available on loan from the Drug Dependency Services Library, Central Office.

Addiction Research Foundation (1990). *Drugs in Ontario.* ARF: Toronto. (Disponible en Francais sous le titre (*"L'usage de drogues en Ontario"*).

Eliany, M. (Ed.,) (1989). *Alcohol in Canada.* Ottawa: Health and Welfare.

Eliany, M. (Ed.,) (1989). *Licit and Illicit Drugs in Canada.* Ottawa: Health and Welfare.

Freeman, A., Mills, T., Purcell, J., and Taylor, M. (1991). *Students & Tobacco — the 1990 Nova Scotia Council on Smoking & Health Survey. Final Report.* Halifax: Health and Fitness.

King, A. (1988). *Canada Youth and AIDS Study.* Kingston: Queen's University.

Kteily-Hawa, R. (1990). *Drinking Patterns and Alcohol-Related Problems — an Assessment of First Year Students at Dalhousie University.* Halifax: Dalhousie.

Neumann, B., Mitic, W., and McGuire, D. (1987). *Drug Use Among Halifax Secondary School Students.: 1986.* Halifax: Nova Scotia Commission on Drug Dependency.

Neumann, B., Mitic, W., and McGuire, D. (1987). *Drug Use Among Pictou County Secondary School Students: 1986.* Halifax: Nova Scotia Commission on Drug Dependency.

Smart, R.G. (1985). *Guidelines for the Development of Canadian Surveys of Alcohol and Drug Use Among Students.* Ottawa: Health and Welfare.

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STUDENT DRUG USE 1991

TECHNICAL REPORT

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ACKNOWLEDGEMENTS

Student Drug Use 1991 was coordinated by the Documentation, Evaluation and Research Division of Drug Dependency Services. From the beginning, the assistance of several people was counted on to ensure the success of this project:

- *to Lisa van t'Hof who completed a census on classes throughout the province...*
- *to the staff of the Prevention and Community Education Division as well as our other colleagues at Drug Dependency Services who added their expertise during each phase of this project...*
- *to Tommy Tan, Dalhousie Computing Centre, who entered the data and cleaned it up...*
- *to Darcell Cromwell and Marie Lemire for word processing...*
- *to LaJeune Naud who was instrumental in getting this survey into the school system...*
- *to the school board members, principals and teachers who supported this project...*
- *to the Dalhousie Health Education students who packaged the surveys, and to those who administered parts of it...*
- *to the 3400 students who patiently completed the survey...*

THANK YOU

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INTRODUCTION

Periodic surveys to estimate the prevalence of alcohol and other drug use among junior and senior high school students have been conducted in selected regions of Nova Scotia since 1968. The ultimate goal of these surveys is to decrease the prevalence of harmful and problematic drug use by Nova Scotian students. This goal will only be reached by collecting epidemiologically sound data; and presenting the information in an effective format for prevention, intervention, and treatment efforts of Drug Dependency Services[1] staff and other service groups concerned with adolescent drug use.

Student Drug Use 1991 - Technical Report is one of three Student Drug Use 1991 publications developed and released by the Documentation, Evaluation and Research Division of DDS. This report describes the methods and distribution strategy of the survey, as well as presenting the preliminary results. We hope that this report will allow for improvements in, and comparisons to, subsequent surveys done by DDS and other researchers. The two related publications are Student Drug Use 1991--Highlights Report and a brochure entitled Student Drug Use 1991--Highlights. The former is a summary booklet designed to help improve prevention and intervention efforts of parents, teachers and other professionals concerned with student drug use. The latter brochure (available in

[1]Drug Dependency Services (DDS), formerly the Nova Scotia Commission on Drug Dependency, is a division of the Nova Scotia Department of Health.

french under the title L'usage des Drogues par les Etudiants 1991--Points Paillants) presents a profile of the drug use behaviour of the typical Nova Scotian public school student. Additional reports on the methods amd more indepth statistical analysis of the results will be released through DDS or submitted for publication in related professeional journals. Researchers interested in conducting their own drug use surveys, or in using the results of the 1991 survey can contact:

Evaluation, Documentation & Research
Drug Dependency Services
6th Floor, Lord Nelson Building
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METHODS

Surveys on the drug use of students residing in the City of Halifax were conducted in 1968, 1970, 1976, 1979, 1983 and 1986. In 1986, the study population also included students residing in Pictou County. The 1991 Survey marked the first time students from all regions of the province were questioned simultaneously. The following pages describe the key processes, the population data, and the sampling methods of this survey.

The 1991 survey instrument

The instrument, entitled "Survey on Student Drug Use - 1991" (Appendix A), is a revised version of the 1986 questionnaire. The 72-item questionnaire requests information on demographics, alcohol, tobacco, cannabis and other drug use, and drug-education opportunities. The 1991 instrument also included new questions on anabolic steroids and injection drug use.

The 1991 instrument was pilot-tested for reading level and clarity in one grade 7 and one grade 12 class in two schools located in Halifax City. A brief questionnaire concerning the survey instrument (Appendix B) was administered to these classes. Revisions of the instrument were based on the results of the pilot test, and on the findings of a focus group interview with six youths in a Halifax high school.

The reliability and validity of the 1991 instrument was not formally measured. However, the instrument was derived from one previously used in Nova Scotia and also conformed to Smart's

guidelines for student surveys (1985). It has been found that self-reported anonymous drug surveys among students are valid and reliable (Midanick, 1989). Furthermore, a question concerning a fictitious drug is included in the 1991 instrument. In the 1986 survey, affirmative responses to the use of a fictitious drug led to the discarding of approximately four percent of questionnaires (Neumann, Mitic & McGuire, 1987). The reliability and validity of the instrument were enhanced by the assurance of confidentiality. No identifier-information was required of respondents, and each student was provided with a plain manila envelope in which to place his/her completed answer sheet.

A content analysis of the 1991 instrument was performed. Each question was assigned a variable name, its relationship to other variables and the method of statistical analysis for each variable and groups of variables were determined. The objectives of the survey and five other questions were structured on the basis of the content analysis.

Research Objectives

The primary research objective of the 1991 survey was to gather sound epidemiological data on the prevalence of alcohol, tobacco and other drug use among Nova Scotia junior and senior high students. Other research objectives included:

-- to identify risk factors associated with this use.

-- to identify trends in Nova Scotia student drug use by comparing the results with those of previous surveys;

-- to identify problem-drinking characteristics of students;

-- to identify risk factors for the use of injection drugs and the sharing of injection apparatus; and,

--to investigate the relationship of school and peer education to substance use/abuse.

Study population

Previous surveys conducted by the Nova Scotia Commission on Drug Dependency sampled students in grades 7 through 12 in Halifax City and selected other regions of Nova Scotia (Mitic, McGuire, & Neumann, 1989). The 1991 survey was province-wide and surveyed students in grades 7, 9, 10 and 12. Surveying students in grades 7, 9, 10 and 12 recognized the important transition periods in adolescents socialization while at the same time provided adequate information generalizable to the entire student population. The 1991 study population was therefore all students enrolled in the public school system, in grades 7, 9, 10 or 12. Excluded were students in these grades attending private schools and students in career exploration programs in public schools.

A preliminary census was obtained from the Nova Scotia Department of Education. The estimated number of students in these grades was approximately 50 000. From this census, four geographic strata were identified: Cape Breton Island; Metro; North; and South (Appendix C). These regional strata were chosen because of congruity of geographic areas with the school board districts throughout the province. In addition, the presence of more than 16 strata (4 grade levels X 4 regions) would have dictated a larger sample size. The total number of classes in each of the 16 strata is presented in Appendix D. The estimated number of students in

these strata is presented in Appendix E.

Ideally, a sample of students would be obtained from a list of all adolescents enrolled in grades 7, 9, 10 and 12. Since such a sampling frame was not feasible, the survey was conducted using the class as the sample unit. After approval was obtained from the Department of Education, the school boards were contacted requesting cooperation with the survey as well as identifier-information on classes in the schools under their jurisdiction. A census of all grade 7, 9, 10 and 12 classes was conducted by Drug Dependency Services. For grades 7 and 9, the name of the homeroom teacher was used to identify discrete classes. For grades 10 and 12, the name of the teacher providing the core English class (or history class in one region) was used to identify discrete classes.

A computer data base involving relational files was structured for board, school, and class information. The data was entered in Epi-Info, version 5 (Dean, Dean, Burton & Dicker, 1990) and converted to a dBase III data file.

Sampling strategy and sample size

The sampling strategies of similar surveys done in other jurisdictions were reviewed (Boyle, Offord & Hofmann, 1987; Kokkevi & Stefanis, 191; Smart & Adlaf, 1989). A stratified sampling technique, with strata as defined on the basis of the preliminary student census, was chosen because a good measure of size was available for setting up the strata, and because the principal variables were hypothesized to be related in part to regional differences.

The class as a sample unit, in conjunction with stratified sampling, introduced complex variances. No data about observed variance and the design effect were available from previous survey reports. The calculation of sample size therefore could not be based on previous experience. Consequently, a sample of approximately ten percent of the number of classes in each grade was considered appropriate. Equal precision was desired in each grade, such that a sample of 45 classes (8.9 percent of the total number) was selected in each grade.

The number of classes sampled in each region was determined using proportional allocation. Because of variability in school size within each stratum, a second stage of stratification was determined based on school size such that, as much as possible, only one class per grade was selected in each school. A total of 180 classes was selected, by means of a computer-generated random number table. Although no classes refused to participate, any that had would have been replaced with another class randomly selected from the same stratum. The selected classes were assigned a number from 1 to 180.

Administering the Questionnaire

Each survey package consisted of a survey instrument, a computer answer sheet (Appendix F) and a brown manila envelope. In addition, a brightly-colored pencil with the Nova Scotia Commission on Drug Dependency logo was provided to each student as a token of

appreciation and to ensure that the computer sheets were completed with a 2H pencil. Survey packages were mailed to the selected schools between March 18 and 28, 1991. All questionnaires were administered between April 2 and 15, and returned to Drug Dependency Services by April 30, 1991.

Grade 7 and 12 students in the Metro region also completed a brief questionnaire (Appendix G) as part of a Dalhousie research project. As a consequence, two methods were used in administering the questionnaire to students. In Halifax-Dartmouth-Bedford region, for grades 7 and 12 only, students from Dalhousie University were trained to administer the survey instrument. Upon completion of the Commission's questionnaire, students placed their answer sheet and questionnaire in a brown envelope. Students were then requested to complete the second questionnaire. For all other students, the teacher administered the questionnaire. Instructions for teachers were provided and all teachers were asked to provide information about class size, attendance and respondency (Appendix H). Students not present in class on the assigned days were not surveyed.

Ethics

The proposal for the 1991 Nova Scotia Survey on Student Drug Use was reviewed and approved by the Ethics Committee, Dalhousie University. Student confidentiality was ensured by the lack of identifier information on answer sheets and by the placing of

completed answer sheets in plain manila envelopes, sealed by the student. Class packages were verified upon return to the Drug Dependency Services. The class code was used strictly in the determination of risk factors for use, not for prevalence of use in given classes or schools.

Data Entry

The respondents recorded their answers on computer-scannable answer sheets. The extent of participation of each class was recorded upon return of their survey packages (Appendix I). The data were scanned electronically at Dalhousie University and a program was written to condense the data and delete any information identified as extraneous. These files were then reviewed by two of the researchers who searched for, and corrected, any inconsistencies in the data.

Data Analysis

The data were analyzed using the Statistical Package for the Social Sciences--version 4.0 (SPSS, 1990). An instructional file was written to delete the responses of students who did not respond to the gender question; who indicated they were in grades 8 or 11; or who responded affirmatively to the lie question. In addition, the SPSS instructional file collapsed some of the response categories to specific questions into more manageable groups. The data and the instructional file were stored on the mainframe at Dalhousie University and transferred to diskette format for storage at DDS.

RESULTS

PART A: Background

This section presents the preliminary results on the prevalence and frequency of student alcohol, tobacco, and other drug use.

Table 1--Gender

	Grade 7		Grade 9		Grade 10		Grade 12	
	M	F	M	F	M	F	M	F
n	504	468	436	430	391	428	357	431
%	14.6	13.6	12.7	12.5	11.3	12.4	10.4	12.5

Table 2--Age

	Grade 7	Grade 9	Grade 10	Grade 12
n	972	866	819	788
Mean	12.8	14.9	15.9	17.8
Sd	.74	.82	.82	.70

Table 3--Grade

	Gr. 7	Gr. 8	Gr. 9	Gr. 10	Gr. 11	Gr. 12
n	972	6	866	819	54	788
%	27.7	0.2	24.7	23.4	1.5	22.5

Note -- Response sheets that indicated the student was in grade 8 or 11 were deleted from the analysis.

Table 4--Average Marks

	Grade 7		Grade 9		Grade 10		Grade 12	
	M	F	M	F	M	F	M	F
80%+	33.0	41.5	22.5	28.5	18.5	27.9	24.4	28.4
70-79%	33.2	29.2	29.6	30.1	25.2	28.6	36.1	37.4
60-69%	19.1	21.4	28.7	28.3	31.1	26.7	26.9	25.8
50-59%	11.2	6.3	15.0	10.7	20.6	15.7	11.5	---
Below 50%	3.5	1.5	4.2	2.3	4.6	1.2	1.1	---
n	491	458	432	428	389	427	357	430

Table 5--Living Arrangements

	Grade 7		Grade 9		Grade 10		Grade 12	
	M	F	M	F	M	F	M	F
Mom & Dad	73.8	72.2	74.5	72.7	72.6	74.3	73.6	72.4
Mother only	10.7	12.0	9.9	12.6	10.8	11.0	10.7	9.5
Father only	1.8	2.1	1.8	1.6	2.3	2.1	2.8	2.3
Mom & Step	8.5	9.0	7.1	7.7	7.9	6.5	5.1	7.4
Dad & Step	2.2	1.3	1.4	1.2	2.1	1.6	4.5	1.4
Guardian(s)	1.4	1.3	2.8	2.8	2.6	2.6	2.0	2.6
Independent	---	---	0.5	0.2	0.8	0.9	0.8	2.6
Other	1.6	2.1	2.1	1.2	1.0	0.9	0.6	1.9
n	504	467	436	429	428	390	431	356

Table 6--Father's Education

	Grade 7		Grade 9		Grade 10		Grade 12	
	M	F	M	F	M	F	M	F
Elementary	2.9	3.1	5.3	4.7	3.1	5.4	5.4	7.9
Some jr/sr	16.1	24.1	23.2	30.2	17.3	26.4	23.3	30.6
High School	32.1	27.8	28.3	27.9	31.8	24.5	29.8	24.8
Comm. Coll.	7.7	8.7	7.7	12.6	10.1	11.2	10.7	13.5
University	26.2	21.7	24.4	16.3	27.1	24.3	27.5	19.7
Other	2.4	1.1	1.9	1.6	1.3	2.1	2.2	3.5
No Father	0.2	0.7	---	0.9	0.3	0.9	0.3	---
Don't Know	14.4	15.4	14.2	7.9	10.1	8.2	4.2	5.1
n	492	461	431	430	387	428	356	431

Table 7--Mother's Education

	Grade 7		Grade 9		Grade 10		Grade 12	
	M	F	M	F	M	F	M	F
Elementary	0.6	0.7	0.5	2.6	2.1	2.3	2.0	2.8
Some jr/sr	16.1	24.1	23.1	30.2	17.3	26.4	23.3	30.6
High School	32.1	27.8	28.3	27.9	31.8	24.5	29.8	24.8
Comm. Coll.	7.7	8.7	7.7	12.6	10.1	11.2	10.7	13.5
University	26.2	21.7	24.4	16.3	27.1	24.3	27.5	19.7
Other	2.4	1.1	1.9	1.6	1.3	2.1	2.2	3.5
No Mother	0.2	0.7	---	0.9	0.3	0.9	0.3	---
Don't Know	14.4	15.4	14.2	7.9	10.1	8.2	4.2	5.1
n	492	461	431	430	387	428	356	431

Table 8--Father's Occupation

	Grade 7		Grade 9		Grade 10		Grade 12	
	M	F	M	F	M	F	M	F
Professional	22.4	19.7	23.7	20.0	24.5	21.9	25.1	19.0
Business	15.7	13.3	13.0	14.5	17.8	15.1	20.0	17.6
Labourer	16.7	13.7	14.9	15.4	18.8	18.3	14.0	16.4
Clerical	1.2	0.4	0.9	1.0	1.8	1.9	1.4	2.4
Sales	2.4	1.5	1.2	1.7	2.9	2.9	2.6	3.3
Skill Worker	20.1	25.4	22.0	24.8	21.9	23.6	20.9	20.9
Farm/Farm	2.8	4.6	7.6	7.0	1.8	2.9	4.3	8.3
Homemaking	0.2	0.9	0.5	0.7	---	0.5	0.9	---
Unemployed	2.4	4.0	3.3	3.4	2.6	2.9	2.0	2.9
Other	16.1	16.4	12.8	11.6	7.8	10.1	8.9	9.3
n	492	452	422	415	383	416	350	421

Table 9--Mother's Occupation

	Grade 7		Grade 9		Grade 10		Grade 12	
	M	F	M	F	M	F	M	F
Professional	23.1	20.3	23.5	15.7	23.4	20.9	22.5	15.2
Business	6.0	7.4	8.6	7.0	9.9	6.4	8.7	10.7
Labourer	6.4	6.8	7.7	7.3	7.3	6.0	7.3	10.3
Clerical	13.5	14.2	13.3	15.5	16.1	21.6	20.8	17.5
Sales	1.2	2.2	1.6	1.6	1.6	1.6	2.0	2.3
Skill Work	2.8	0.9	1.6	1.6	1.3	3.1	2.8	2.1
Farm/Fish	1.8	2.0	1.4	1.4	0.8	0.2	1.1	1.1
Homemaking	20.5	23.5	23.0	28.2	22.9	24.2	21.1	29.7
Unemployed	9.3	5.9	7.0	8.5	8.3	5.2	4.5	3.7
Other	15.3	17.0	12.3	13.1	8.3	9.9	9.3	7.2
n	497	459	430	426	384	425	356	428

Note--The columns contain the percentage of students who responded affirmatively to each answer of every question--by gender and grade.

PART B--Tobacco Use

Table 10--Cigarette Smoking--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	68.2	63.2	51.2	42.0	46.9	40.4	49.3	41.0	1746
Not 12 mo.	8.6	6.6	11.1	9.1	8.7	12.9	10.9	13.5	347
1/year	11.6	14.8	9.4	13.5	12.1	15.7	13.7	11.7	439
<1/day	5.0	4.5	6.0	7.7	10.5	5.6	7.6	7.5	229
1-2/day	2.0	5.1	3.5	8.2	3.8	4.2	2.5	2.8	138
3-5/day	1.8	4.1	5.8	6.5	5.6	8.6	3.9	8.2	189
6-10/day	1.2	1.3	6.5	6.3	5.6	7.7	4.2	8.2	172
11-15/day	0.4	0.4	3.2	4.9	4.1	2.3	4.2	3.7	96
16-20/day	0.2	---	1.6	0.9	1.5	1.6	1.7	2.3	41
20+/day	1.0	---	1.8	0.9	1.0	0.9	2.0	1.2	37
n	500	467	434	429	390	428	357	429	3434

Table 11--Pressure to Smoke

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	74.7	71.8	77.6	73.9	76.3	82.9	81.1	83.6	2660
Once	10.0	12.9	6.0	6.5	3.3	4.9	5.1	5.6	240
A Few Times	12.4	12.9	11.5	16.8	17.0	9.8	11.0	8.9	429
Often	3.0	2.4	4.8	2.8	3.3	2.3	2.8	1.9	100
n	502	464	434	429	389	428	355	428	3429

Table 12--Reason Tried Smoking

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Curious	41.9	49.8	32.4	38.5	31.4	40.2	28.3	32.4	734
Friends	21.6	21.1	21.4	27.0	21.4	17.0	14.3	22.8	418
Fun	4.1	4.4	11.7	5.9	9.6	14.0	16.1	11.2	193
Siblings	5.0	4.4	5.3	4.8	3.5	2.7	9.0	4.6	97
Relax	3.3	2.6	6.8	5.2	9.6	7.2	8.1	8.2	129
Bored	3.7	3.1	7.5	5.2	9.2	5.3	8.1	4.6	116
Grown-up	0.4	1.3	1.4	2.6	0.4	1.5	2.7	3.1	34
Pressure	1.7	3.1	1.4	0.4	2.6	0.8	0.4	0.8	27
Parents	6.2	3.1	2.5	4.1	3.1	4.2	1.3	2.3	67
Other	12.0	7.0	9.6	6.3	9.2	7.2	11.7	9.3	179
n	241	227	281	270	229	264	223	259	1996

#13--Tried to Quit

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	71.6	72.2	63.9	77.9	59.4	73.3	62.6	73.1	943
No	28.3	27.8	36.1	22.1	40.6	26.7	37.4	26.9	412
n	145	144	180	204	170	180	139	193	1355

#14--Reason Why Continue to Smoke

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Can't Quit	18.8	20.5	28.7	32.4	18.5	30.3	20.3	24.1	352
Gain Weight	2.0	4.5	2.1	8.6	1.7	2.1	---	10.1	59
Friends	10.1	10.3	11.8	9.0	11.6	9.6	11.8	12.1	153
Like Taste	6.0	5.1	11.3	2.9	15.0	8.5	8.5	6.5	113
Feel Older	1.3	0.6	---	0.5	---	---	---	0.5	5
Sophisticate	---	---	---	0.5	0.6	1.1	0.7	---	5
Don't smoke	48.3	46.2	31.8	35.7	35.3	33.5	34.0	30.2	517
Other	13.4	12.8	14.4	10.5	17.3	14.9	24.8	16.6	219
n	149	156	195	210	173	188	153	199	1423

PART C--Alcohol Use

Table 15--Alcohol Use--Frequency, 12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Not at All	56.5	53.7	25.3	19.9	19.2	15.3	11.2	10.9	956
Sip	23.9	25.7	21.2	24.1	17.9	24.5	8.4	13.0	694
1 mo/or less	10.1	12.6	22.8	28.3	26.9	36.3	33.6	41.1	885
2-3X/month	6.2	4.9	17.4	16.6	17.7	16.0	21.8	23.4	516
Once/week	0.8	1.5	6.3	5.2	7.2	3.5	11.5	6.5	172
Twice/week	1.0	0.6	4.0	4.4	8.2	2.4	7.8	3.0	127
Three/week	0.8	0.6	1.9	0.5	1.8	0.7	3.6	1.4	46
4-5X/week	0.4	---	---	0.7	---	0.7	1.7	0.5	16
6+X/week	0.4	0.2	1.2	0.2	1.0	0.5	0.3	0.2	17
n	503	467	430	427	390	424	357	431	3429

Table 16--Alcohol Accessibility

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Impossible	20.6	19.7	5.6	3.7	1.8	2.1	0.6	0.5	253
Difficult	17.3	18.7	13.9	14.2	10.5	11.5	2.5	4.4	411
Easy	34.7	30.4	63.1	64.4	75.2	71.1	93.5	87.7	2169
Don't Know	27.4	31.2	17.4	17.7	12.5	15.3	3.4	7.4	589
n	496	461	431	430	391	426	356	431	3422

Table 17--Pressure to Use Alcohol -- 12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	78.3	77.2	64.3	55.7	57.3	64.2	51.8	65.0	2230
Once	10.5	11.4	9.0	14.5	7.9	11.9	6.7	9.1	352
Few Times	8.5	9.3	18.8	26.3	24.6	19.7	32.2	22.6	672
Often	2.6	2.2	7.9	3.5	10.2	4.2	9.2	3.3	177
n	503	464	431	429	391	427	357	429	3431

Table 18--Friends Who Use Alcohol

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
None	46.1	38.4	12.9	7.1	3.8	2.1	1.7	1.4	523
Few	40.9	44.1	35.0	32.9	25.6	27.1	10.6	15.0	1008
Half	5.7	8.1	15.7	17.0	20.8	19.5	12.9	14.8	477
Most	5.7	7.7	29.0	35.7	38.2	40.2	59.4	51.1	1008
All	1.6	1.8	7.5	7.3	11.5	11.1	15.4	17.8	302
n	492	456	428	423	390	425	357	427	3398

Table 19-- Alcohol Use--Frequency With Parents (Guardians) 12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Not At All	33.3	35.1	45.6	41.6	44.1	39.9	38.6	38.7	1034
Sip	50.2	50.6	36.3	39.5	34.7	44.5	29.2	33.2	1014
1/mo or less	10.7	8.0	13.7	15.1	16.3	13.9	23.8	23.5	417
2-3X/Month	3.1	4.8	2.3	2.6	3.1	0.8	6.0	3.9	84
Once/week	0.8	1.2	1.2	0.9	0.3	0.3	1.3	0.8	21
Twice/week	0.8	---	0.9	---	0.6	0.5	1.3	---	13
3X/week	0.8	---	---	0.3	0.6	---	---	---	5
4-5X/week	---	0.4	---	---	---	---	---	---	1
6+/week	0.4	---	---	---	0.3	---	---	---	2
n	261	251	342	344	320	366	319	388	2591

Table 20--Alcohol Use--Frequency Without Parents (Guardians) 12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Not At All	41.5	33.8	18.3	12.7	9.6	12.8	3.2	7.3	389
Sip	25.0	31.6	19.2	20.7	18.5	18.9	8.5	11.2	459
1/mo or less	18.8	20.1	25.6	34.6	30.3	40.8	35.8	44.9	817
2-3X/Month	5.8	8.5	23.2	20.1	21.0	19.2	26.3	24.8	490
Once/week	4.0	3.0	6.4	5.3	9.2	4.2	11.7	6.8	162
Twice/week	1.8	1.3	4.6	4.4	7.0	2.8	10.1	3.1	113
3X/week	---	0.9	1.5	0.6	2.5	0.3	2.8	1.0	31
4-5X/week	1.3	0.4	---	0.9	0.3	0.8	0.9	0.5	16
6+/week	1.8	0.4	1.2	0.6	0.4	0.3	0.6	0.3	20
n	224	234	328	338	314	360	316	383	2497

Table 21--Alcohol Use--Drinks Per Sitting

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Sip	42.1	42.9	16.1	16.1	11.3	16.2	5.7	6.1	414
Less Than 1	20.8	25.0	10.0	16.4	7.4	9.5	1.9	6.3	268
1-2	17.8	14.6	17.4	20.6	13.9	21.0	10.4	20.8	420
3-4	8.9	9.4	15.8	23.3	12.9	23.5	11.4	31.3	444
5-6	4.5	4.2	16.8	13.7	19.1	19.6	21.5	24.7	407
7-8	2.0	2.8	12.3	6.0	21.7	7.3	24.1	7.6	266
9+	4.0	0.9	11.6	3.9	13.6	2.8	25.0	3.2	202
n	202	212	310	335	309	357	316	380	2421

Table 22--Alcohol Use--Drinks Per Sitting With Parents

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
None	29.2	39.9	47.3	43.0	49.5	41.9	44.8	38.5	1026
Sip	42.6	40.4	21.2	28.5	24.1	27.8	14.8	15.7	613
Less Than 1	15.3	12.5	13.8	13.6	10.3	14.3	6.6	14.4	305
1-2	9.4	6.3	14.5	11.9	11.3	12.6	25.2	26.2	377
3-4	1.5	0.5	1.3	1.5	3.2	1.7	4.1	3.9	57
5-6	---	0.5	0.6	1.2	0.6	1.1	3.2	0.8	26
7-8	0.5	---	0.6	0.3	0.6	0.6	0.9	0.3	12
9+	1.5	---	0.6	---	0.3	---	0.3	0.3	8
n	202	208	311	337	311	356	317	382	2424

Table 23--Alcohol Use--Drinks Per Sitting Without Parents

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Not With *	22.8	18.1	11.9	12.0	8.7	9.2	2.9	3.9	244
Sip	20.8	24.3	13.8	12.6	9.3	9.2	6.7	5.8	282
Only With*	17.3	17.1	7.4	4.2	2.9	6.7	1.3	2.9	155
Less Than 1	7.1	11.9	5.5	11.4	5.5	6.7	2.2	4.7	160
1-2	15.7	14.3	12.9	17.7	11.6	18.4	9.5	19.5	366
3-4	6.6	7.6	13.8	20.7	14.5	24.3	13.0	30.3	429
5-6	3.6	3.3	15.4	13.8	19.0	16.5	22.5	23.7	387
7-8	2.0	1.9	9.6	3.9	17.7	6.7	19.0	6.1	213
9+	4.1	1.4	9.6	3.9	10.9	22.2	22.9	3.2	180
n	197	210	311	334	311	358	315	380	2416

*The first response 'I don't drink when my parents are present' should not have been included in the choices of responses.

Table 24--Drunkenness--30 Days Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	70.6	64.9	48.4	50.9	39.7	51.4	34.5	44.2	1189
Once	9.8	12.3	17.5	17.6	21.8	17.9	21.5	20.0	436
Twice	7.8	6.2	10.8	9.2	10.9	9.5	14.6	13.9	261
3X	0.5	2.8	7.6	6.8	7.1	5.0	6.6	8.7	148
4X	1.0	0.9	4.1	2.7	6.1	1.7	7.9	2.1	84
5X or More	2.9	1.9	4.8	4.2	5.8	2.8	8.5	4.2	110
Not drank	7.4	10.9	6.7	8.6	8.7	11.7	6.3	6.8	203
n	204	211	314	336	312	358	316	380	2431

Table 25--School Work Problems

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	3.5	4.3	5.4	3.9	6.1	2.2	5.1	3.9	104
No	96.5	95.7	94.6	96.1	93.9	97.8	94.9	96.1	2314
n	199	208	312	334	309	359	314	383	2418

Table 26--Family Tension

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	6.6	5.4	13.3	15.2	17.0	16.2	15.9	14.9	334
No	93.4	94.6	86.7	84.8	83.0	83.8	84.1	85.1	2074
n	197	202	309	335	311	357	315	382	2408

Table 27--Trouble with Police

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	3.0	2.0	6.1	4.5	13.3	3.7	11.4	3.7	148
No	97.0	98.0	93.9	95.5	86.7	96.3	88.6	96.3	2258
n	197	202	309	335	309	356	316	382	2406

Table 28--Trouble with Teachers

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	3.6	1.5	3.6	3.3	4.5	3.1	4.1	2.1	78
No	96.4	98.5	96.4	96.7	95.5	96.9	95.9	97.9	2329
n	194	206	309	335	309	356	316	382	2407

Table 29--Drinking Before Party

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	26.0	26.7	54.5	51.3	55.8	50.4	71.5	55.8	1236
No	74.0	73.3	45.5	48.7	44.2	49.6	28.5	44.2	1168
n	196	202	308	335	308	357	316	382	2404

Table 30--Cost of Alcohol

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	8.9	11.1	15.7	16.3	20.8	19.9	20.3	13.6	392
No	91.1	88.9	84.3	83.7	79.2	80.1	79.7	86.4	1995
n	191	199	306	331	307	356	315	382	2387

Table 31--Blackout

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	11.7	15.0	24.3	28.5	27.0	25.5	35.0	25.5	608
No	88.3	85.0	75.7	71.5	73.0	74.5	65.0	74.5	1806
n	196	206	313	337	311	357	204	380	2414

Table 32--Drinking Alone

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	20.7	26.4	29.1	26.7	24.7	18.5	27.0	14.7	562
No	79.3	73.6	70.9	73.3	75.3	81.5	73.0	85.3	1863
n	203	208	313	337	312	356	315	381	2425

Table 33--Drinking at Breakfast

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	7.8	4.3	10.1	6.3	9.1	3.9	12.7	5.8	182
No	92.2	95.7	89.9	93.7	90.9	94.1	87.3	94.2	2240
n	205	208	316	334	309	356	316	378	2422

Table 34--Destroy Something or Hurt Someone

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	7.7	4.0	16.7	10.8	21.8	7.6	19.0	8.2	296
No	92.3	96.0	83.3	89.2	78.2	92.4	81.0	91.8	2103
n	195	201	311	334	308	356	315	379	2399

Table 35--Personal Injury

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	9.7	10.9	15.9	11.6	20.5	13.8	19.7	12.1	349
No	90.3	89.1	84.1	88.4	79.5	86.2	80.3	87.9	2050
n	195	202	309	335	308	356	315	379	2399

Table 36--Drinking in a Bar--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	88.3	91.0	82.4	87.7	76.8	82.1	38.7	45.1	1731
1-2X	10.2	8.5	15.4	9.3	14.5	11.2	20.6	25.2	362
3-4X	---	---	1.0	1.2	3.3	4.2	13.7	11.8	121
5-10X	---	0.5	0.3	1.2	3.2	0.3	11.7	8.4	86
10+	1.4	---	1.0	0.6	1.9	2.2	15.2	9.4	106
n	197	201	312	333	310	357	315	381	2402

Table 37--Used Fake I.D./Lied About Age--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	86.7	90.7	82.4	86.6	77.8	88.8	61.6	68.4	1925
1-2X	10.8	7.8	14.7	9.2	11.9	7.5	19.4	20.0	316
3-4X	0.5	0.5	1.0	1.8	3.2	1.4	5.7	4.2	60
5-10X	---	1.0	0.6	1.2	3.2	0.8	5.1	3.4	50
10+	2.0	---	1.3	1.2	3.9	1.4	8.3	3.9	70
n	203	205	313	336	311	358	315	380	2421

PART D--Cannabis and Other Drug Use

Table 38--Cannabis Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
What Is It?	21.6	24.3	8.2	5.8	4.6	5.2	2.5	5.6	353
Never Used	71.3	69.2	70.4	72.1	64.8	72.2	54.2	62.1	2304
Not in year	1.4	2.2	1.9	3.3	5.9	3.8	6.2	11.4	149
Once	1.8	1.5	4.9	4.9	4.6	4.5	7.9	5.3	146
Twice	1.2	0.4	1.6	2.3	4.1	4.0	4.8	3.0	88
3-4X	0.4	1.1	2.8	3.5	5.1	4.0	7.3	3.0	116
5-8X	0.6	0.6	4.0	1.6	2.3	1.9	3.7	1.2	65
9-12X	0.2	0.2	0.7	1.9	2.6	0.9	2.8	0.9	41
13-26X	0.8	0.2	1.6	1.6	1.5	0.7	3.7	2.8	53
27+	0.6	0.2	3.8	3.0	4.4	2.8	7.0	3.3	101
n	495	465	426	430	389	425	356	430	3416

Table 39--Cannabis Accessibility

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
What Is It?	21.7	24.1	6.6	6.1	3.9	4.2	2.3	6.5	342
Impossible	35.7	35.3	17.6	17.5	10.1	10.3	3.9	4.0	604
Difficult	9.1	8.0	13.1	11.2	15.5	11.5	13.5	7.2	374
Easy	11.0	9.0	32.4	25.9	43.8	33.1	51.5	42.3	1021
Don't Know	22.5	23.7	30.3	39.3	26.8	40.8	28.7	40.0	1070
n	493	465	426	428	388	426	355	430	3411

Table 40--Pressure to Use Cannabis--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	92.4	93.8	87.2	84.8	81.0	87.6	78.7	87.0	2982
Once	4.4	4.3	5.6	8.4	8.7	7.3	8.7	6.3	225
Few Times	1.2	1.3	5.8	5.8	8.0	4.2	10.1	6.0	173
Often	1.8	0.6	0.9	0.9	2.3	0.9	2.5	0.7	45
n	500	468	429	429	389	426	357	430	3428

Table 41--Glue Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	94.2	94.4	94.7	95.1	94.6	97.4	98.0	99.1	3135
Once	2.8	3.4	2.3	2.6	2.6	1.2	1.1	0.6	165
2-12X	2.6	2.1	2.6	2.3	2.6	1.2	0.6	---	114
13+	0.4	---	0.5	---	0.3	0.2	0	---	16
n	500	468	430	429	389	426	389	426	3430

Table 42--Solvent Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	90.0	89.3	89.8	88.3	88.9	93.9	95.2	96.5	3287
Once	5.6	6.8	6.0	6.1	4.9	2.8	2.8	2.8	74
2-12X	3.2	3.8	3.7	5.6	5.7	2.3	1.4	0.7	61
13+	1.2	---	0.5	---	0.5	0.9	0.6	---	7
n	500	468	431	429	389	426	357	430	3429

Table 43--Prescription Tranquillizer Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	97.4	97.0	94.7	93.7	92.5	91.5	91.6	91.9	3221
Once	1.2	1.7	2.8	4.2	3.1	3.8	4.2	3.3	101
2-12X	1.0	1.1	1.8	2.1	3.9	3.8	2.5	4.0	84
13+	0.4	0.2	0.7	---	0.5	0.9	1.7	0.9	22
n	498	467	433	429	389	426	356	430	3428

Table 44--Illicit Tranquillizer Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	98.6	98.9	97.9	96.5	96.4	95.5	96.6	97.9	3339
Once	0.2	0.6	1.2	0.9	0.8	0.9	0.6	0.9	26
2-12X	0.6	0.4	0.9	2.3	2.8	3.1	2.2	0.9	55
13+	0.6	---	---	0.2	---	0.2	0.6	0.2	9
n	497	468	432	430	389	426	357	430	3429

Table 45--LSD Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	97.6	98.5	91.4	90.9	87.7	93.2	87.1	93.5	3183
Once	1.2	0.6	2.8	2.8	4.6	3.3	2.8	1.4	81
2-12X	0.8	0.9	5.1	5.4	5.9	2.8	7.8	4.7	136
13+	0.4	---	0.7	0.9	1.8	0.7	2.2	0.5	25
n	496	468	432	429	389	426	357	430	3445

Table 46--PCP Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	99.2	99.4	97.7	99.3	97.7	99.8	98.0	99.8	3385
Once	0.2	0.6	1.6	0.5	0.8	---	1.1	---	20
2-12X	0.6	---	0.7	0.2	0.8	0.2	0.6	0.2	14
13+	---	---	---	---	0.8	---	0.3	---	4
n	494	467	432	429	389	425	357	430	3423

Table 47--Psilocybin Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	98.2	98.7	93.8	95.6	91.5	96.9	91.8	98.0	3278
Once	0.6	1.1	2.5	1.9	2.8	1.6	3.7	0.9	62
2-12X	1.0	0.2	3.7	2.3	5.1	1.2	4.5	0.9	77
13+	0.2	---	---	0.2	0.5	0.2	---	---	5
n	495	467	432	429	389	425	355	430	3422

Table 48--Prescription Barbiturates Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	98.4	99.6	98.6	98.6	97.4	97.2	98.0	98.1	3358
Once	0.2	0.4	0.7	0.5	1.3	1.2	1.4	0.7	26
2-12X	1.2	---	0.7	0.9	1.0	0.9	0.3	0.9	26
13+	0.2	---	---	---	0.3	0.7	0.3	0.2	7
n	494	465	430	427	388	426	357	430	3417

Table 49--Illicit Barbiturates Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	99.0	99.4	98.1	97.2	96.7	96.2	96.4	97.7	3342
Once	0.6	0.4	0.2	0.5	1.3	1.4	1.1	0.9	27
2-12X	0.4	0.2	1.6	2.3	2.1	2.1	1.1	1.4	47
13+	---	---	---	---	---	0.2	1.4	---	6
n	495	465	431	429	389	426	357	430	3422

Table 50--Quabaline Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	99.4	99.4	98.2	100.0	97.5	100.0	99.2	100.0	3433
Once	0.4	0.4	0.9	---	1.3	---	0.3	---	14
2-12X	0.2	0.2	0.9	---	1.3	---	0.3	---	11
13+	---	---	---	---	---	---	---	---	---
n	503	470	442	429	399	426	360	429	3458

Note -- Student response sheets that contained affirmative responses to the use of quabaline, a fictitious drug, were deleted from the analysis.

Table 51--Heroin Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	99.0	99.8	97.9	97.9	96.9	98.4	98.6	99.3	3371
Once	0.4	0.2	0.7	0.9	0.8	0.7	0.8	0.2	20
2-12X	0.6	---	1.2	1.2	2.1	0.7	0.6	0.5	28
13+	---	---	0.2	---	0.3	0.2	---	---	3
n	494	466	430	429	389	427	357	430	3422

Table 52--Crack Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	98.4	99.4	97.4	98.1	97.4	98.8	96.6	99.3	3362
Once	0.4	0.6	1.2	0.7	1.5	0.5	1.4	0.7	29
2-12X	1.0	---	1.2	0.9	1.0	0.7	1.4	---	26
13+	0.2	---	0.2	0.2	---	---	0.6	---	5
n	495	465	430	429	390	426	357	430	3422

Table 53--Cocaine Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	97.8	99.8	97.[illegible]	98.6	96.9	98.6	96.3	98.6	3354
Once	1.0	0.2	0.7	0.7	2.1	0.5	1.4	1.2	32
2-12X	1.0	---	1.6	0.5	0.8	0.7	1.7	0.2	27
13+	0.2	---	0.2	0.2	0.3	0.2	0.6	---	7
n	496	466	430	428	389	426	356	429	3420

Table 54--Accessibility to Cocaine

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
What Is It?	4.9	4.1	2.8	1.6	0.5	0.2	0.8	0.7	71
Impossible	55.4	51.4	35.8	22.5	22.4	20.9	13.0	14.0	1041
Difficult	7.9	9.7	16.6	16.2	21.6	16.7	27.3	13.8	535
Easy	4.3	3.7	11.0	10.3	17.5	12.0	14.9	15.9	368
Don't Know	27.5	31.0	33.7	49.3	38.0	50.2	43.9	55.7	1389
n	491	462	427	426	389	426	355	429	3405

Table 55--Prescription Stimulant Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	98.4	97.8	97.2	95.3	96.4	96.2	98.3	95.1	3305
Once	1.2	1.5	1.4	1.6	0.8	1.2	0.6	2.6	47
2-12X	0.2	0.4	1.2	2.3	1.8	2.3	0.3	1.6	43
13+	0.2	0.2	0.2	0.7	1.0	0.2	0.8	0.7	17
n	493	462	429	428	389	426	356	429	3412

Table 56--Illicit Stimulant Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Never	98.8	97.2	95.3	92.8	91.5	93.4	93.0	93.2	3229
Once	0.2	2.4	3.5	2.6	3.1	3.5	2.5	1.4	80
2-12X	1.0	0.4	0.9	4.4	4.9	2.1	3.9	4.2	90
13+	---	---	0.2	0.2	0.5	0.9	0.6	1.2	16
n	493	465	429	428	389	426	356	429	3415

Table 57--Ice Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
What Is It?	24.6	38.7	14.8	16.1	17.8	18.1	16.3	26.1	701
Yes	3.5	2.6	4.0	2.8	6.7	2.4	4.5	2.3	120
No	72.0	68.7	81.3	81.1	75.5	79.5	79.2	71.6	2580
n	492	463	427	423	387	425	355	429	3401

Table 58--Anabolic Steroids--12 Months Priot to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	3.1	0.4	4.7	1.2	7.0	0.5	4.0	0.5	77
No	96.9	98.8	95.3	98.8	93.0	99.5	96.0	99.5	3305
n	487	461	426	421	385	423	352	427	3382

Table 59--Injection Drug Use--12 MOnths Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	3.4	3.1	6.6	3.9	11.3	6.4	6.1	3.8	180
No	96.6	96.9	93.4	96.1	88.7	93.6	93.9	96.2	3126
n	468	449	408	412	380	419	347	423	3306

Table 60--Medical Injection Drug Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	23.1	18.1	31.6	47.2	40.3	64.6	20.6	36.5	255
No	76.9	71.8	68.4	52.8	59.7	35.4	79.4	63.5	453
n	108	85	114	72	119	79	68	63	708

Table 61--Illicit Injection Drug Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	14.6	18.4	13.6	26.6	7.3	22.2	23.8	23.4	127
No	85.4	81.6	86.4	73.4	92.7	77.8	76.2	76.6	590
n	96	87	125	79	110	72	84	64	717

Table 62--Injection Steroid Use--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	10.6	5.7	4.2	12.5	8.9	1.8	10.8	2.0	39
No	89.4	94.3	95.8	87.5	91.1	98.2	89.2	98.0	500
n	66	53	96	56	90	55	74	49	539

Table 63--Shared Needles/Syringes--12 Months Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	4.7	2.1	8.2	6.5	6.1	1.9	2.9	4.3	26
No	95.3	97.9	91.8	93.5	93.9	98.1	97.1	95.7	494
n	64	48	97	46	98	52	68	47	520

Table 64--Expressed Concern to a Friend

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	23.2	32.5	35.8	57.1	43.7	66.1	51.4	70.7	1580
No	76.8	67.5	64.2	42.9	56.3	33.9	48.6	29.3	1780
n	475	453	419	424	389	419	354	427	3360

Table 65--Friend Expressed Concern to You

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	7.1	9.6	16.2	21.4	22.0	21.6	21.9	15.7	557
No	92.9	90.4	83.8	78.6	78.0	78.4	78.1	84.3	2805
n	477	449	425	421	387	421	356	426	3362

Table 66--Response to "If you had a friend with an alcohol or other drug problem, what would you do?"

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Nothing	15.7	4.6	17.2	4.2	12.6	2.6	7.3	0.7	278
Friend	50.5	57.5	59.2	70.3	67.9	73.5	73.2	77.2	2228
Teacher	7.7	7.2	4.2	4.4	1.0	2.6	0.6	2.8	136
Parents	7.2	7.6	5.1	4.9	5.4	6.4	2.5	7.4	202
Other Friend	3.7	5.4	5.4	6.6	7.5	8.5	11.3	8.1	234
Help-line	6.2	8.7	4.9	5.6	2.1	2.8	1.4	0.5	142
Peer Ed	4.3	7.2	2.1	3.3	2.3	3.3	2.3	2.8	120
NSCODD	3.3	1.1	1.4	0.7	0.8	---	0.3	0.2	35
Police	1.2	0.7	0.5	---	0.5	0.2	1.1	0.2	19
n	483	459	429	427	389	422	355	430	3394

Table 67--Response to "If you, personally, had an alcohol or other drug problem, what would you do?"

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Nothing	13.6	3.3	16.9	6.4	15.6	5.9	9.9	4.2	316
Teacher	16.5	14.3	11.7	8.7	5.2	5.5	5.7	6.6	321
Parents	23.0	23.1	16.0	9.9	13.0	11.9	18.5	13.4	546
Peer Drug Ed	7.7	7.3	7.2	7.8	6.5	5.7	4.5	5.2	220
Help-line	18.6	24.9	15.0	19.1	13.5	21.6	9.1	11.7	571
NSCODD	3.5	1.8	2.4	2.4	3.4	2.6	4.3	2.1	93
Police	1.0	0.4	1.2	---	1.6	---	0.3	0.2	20
Friends	11.7	18.7	22.9	38.6	32.8	38.2	37.5	48.4	1026
Older Family	4.4	6.2	6.7	7.3	8.3	8.6	10.2	8.2	247
n	479	454	419	425	384	421	352	426	3360

PART E--Other Information

Table 68--Classes on Alcohol--School Year Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
None	10.7	9.4	12.2	9.6	54.5	60.0	49.9	50.3	1048
1-2	38.6	41.0	26.1	27.9	32.9	29.6	34.1	39.2	1147
3-4	20.0	20.6	23.5	25.6	8.7	5.4	10.1	6.5	521
5-6	12.6	11.4	15.3	14.8	2.1	1.9	2.5	1.6	273
7+	18.0	17.5	22.8	22.1	1.8	3.1	3.4	2.3	400
n	484	456	425	426	389	425	355	429	3389

Table 69--Classes on Tobacco--School Year Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
None	19.1	20.1	24.2	24.2	63.0	67.9	68.2	68.4	1460
1-2	41.2	44.9	37.4	39.4	27.0	22.6	22.0	25.8	1122
3-4	15.6	14.4	18.5	18.1	6.7	5.2	4.8	4.2	380
5-6	9.8	8.3	10.2	8.5	1.5	1.7	2.0	0.7	188
7+	14.3	12.3	9.7	9.9	1.8	2.6	3.1	0.9	242
n	488	457	422	426	389	424	355	431	3392

Table 70--Classes on Other Drugs--School Year Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
None	13.5	14.1	14.5	11.8	60.2	68.4	58.5	66.1	1257
1-2	41.0	41.8	31.7	35.3	31.1	22.4	30.8	28.1	1118
3-4	20.5	17.8	22.9	21.3	6.4	5.4	6.8	4.4	458
5-6	10.9	13.2	12.6	13.5	1.0	1.7	1.4	0.5	241
7+	14.1	13.2	18.3	18.0	1.3	2.1	2.5	0.9	309
n	488	455	420	422	389	424	354	431	3383

Table 71--Classes on Decision-Making--School Year Prior to Survey

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
None	8.1	6.5	7.3	6.4	54.1	52.2	48.2	49.7	944
1-2	31.2	33.3	24.6	22.1	33.6	33.1	37.5	39.2	1074
3-4	19.8	20.0	21.8	23.5	8.2	6.1	8.2	7.2	497
5-6	11.6	14.8	20.1	20.2	1.8	4.7	3.4	1.9	341
7+	29.3	25.3	26.1	27.8	2.3	3.8	2.8	2.1	530
n	484	460	422	421	390	423	355	431	3386

Table 72--Peer Education

	Grade 7		Grade 9		Grade 10		Grade 12		
	M	F	M	F	M	F	M	F	n
Yes	49.5	54.4	54.8	56.0	49.5	53.3	32.3	31.7	1615
No	34.4	31.5	27.9	29.9	39.2	36.0	51.1	56.6	1278
Not Sure	16.1	14.1	17.3	14.1	11.3	10.7	16.6	11.7	552
n	483	454	416	418	388	420	356	429	3445

DISTRIBUTION STRATEGY

The development of an effective marketing strategy for health information is now being recognized as an essential step in the survey process. Three potential audiences were identified by the 1991 Survey Team and the findings were tailored to meet their needs. The target audiences and associated publications were:

- teachers, school administrators, government departments, law enforcement, community-based groups and parent associations -- Student Drug Use 1991 Highlights Report.

- researchers -- Student Drug Use 1991 Technical Report.

- junior and senior high school students -- Student Drug Use 1991 Highlights brochure.

In order to determine what findings to include in the highlights report, key users of the information were identified and asked to complete a brief needs assessment questionnaire (Appendix J).

The brochure Student Drug Use 1991 Highlights (available in French under the title L'usage des Drogues par les Etudiants 1991 - - Points Paillants) focused upon the number of students who did not use alcohol or other drugs.

A cover design was developed to promote interest in the survey information and provide continuity among the publications. All three documents were released following a provincial media release

the week before Drug Awareness Week.

In addition, a workshop framework was devised and made available to groups and individuals interested in discussing the results and formalizing action plans (Appendix K). Overheads of key results were developed to supplement the workshop or enhance presentations.

A process evaluation of this distribution strategy was developed and conducted in the weeks after the information was released.

APPENDIX A

SURVEY ON STUDENT DRUG USE 1991

SURVEY ON STUDENT DRUG USE - 1991

This questionnaire asks what you know and feel about alcohol, tobacco and other drugs and whether you use any of these drugs. The information you give us will be used to improve the quality of drug education for Nova Scotia students, so it is important that you answer each question as honestly as possible. This is not a test - there are no right or wrong answers.

The answers will not be shown to your parents or teachers. Do not put your name on the response sheet or question booklet. Once you hand in your response sheet, there is no way it can be traced back to you. Your participation is voluntary; you don't have to answer if you don't want to.

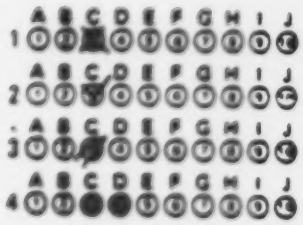
There are five parts to this questionnaire. You should be able to complete all parts in 35 to 45 minutes.

INSTRUCTIONS

1. Read each question carefully.
2. Read every answer to each question before deciding which is the best one for you.
3. Use the pencils provided to record your responses - do not use a pen.
4. Begin at question 1 on the response sheet, do not fill out any of the sections to the left of question 1 on the response sheet. Do not write your name on this sheet.
5. If there are any questions you don't want, or don't need to answer, leave the question blank on the response sheet. Remember to begin answering again at the right number.
6. On the answer sheet, make heavy black marks that fill in the circle completely.
7. Erase cleanly any responses you wish to change.
8. Fill in only one circle for each question.

EXAMPLES

Wrong



Right

9. Make no stray marks on the response sheet.
10. Please answer the questions on both sides of the questionnaire.
11. If you have any questions while completing this survey, please raise your hand. Do not ask your classmates for help.
12. When you have finished, place your response sheet and questionnaire in the brown envelope and seal it.

PART A: BACKGROUND

1. Are you male or female?

1. male
2. female

2. How old are you?

1. 11 years or younger
2. 12 years
3. 13 years
4. 14 years
5. 15 years
6. 16 years
7. 17 years
8. 18 years
9. 19 years or older

3. What grade are you in?

1. grade 7
2. grade 8
3. grade 9
4. grade 10
5. grade 11
6. grade 12

4. So far in this school year, what is your average on all your courses at school?

1. 80% or higher
2. 70% - 79%
3. 60% - 69%
4. 50% - 59%
5. Below 50%

5. Who do you live with all or most of the time?

1. mother and father
2. mother only
3. father only
4. mother and step-father
5. father and step-mother
6. guardian(s)
7. I live alone or with friends (independent living)
8. Other

6. **What is the highest level of education completed by your father (or male guardian)?**

1. elementary school or less
2. some junior or senior school
3. graduated from high school
4. graduated from community college (vocational school)
5. graduated from university, college
6. other
7. I do not have a father or male guardian
8. don't know

7. **What is the highest level of education completed by your mother (or female guardian)?**

1. elementary school or less
2. some junior or senior school
3. graduated from high school
4. graduated from community college (vocational school)
5. graduated from university, college
6. other
7. I do not have a mother or female guardian
8. don't know

8. **What is the usual work or job of your father (or male guardian)? If you do not have a father or male guardian, go to question #9.**

1. professional (example: accountant, doctor, lawyer, teacher, nurse, engineer, clergy, military officer)
2. business (example: owner, executive officer, manager)
3. factory or farm worker, miner, labourer, waiter, cook, truck driver
4. clerical (example: sales clerk, secretary)
5. sales (example: real estate, insurance)
6. skilled worker (example: carpenter, electrician, plumber, police officer, chef)
7. farming or fishing
8. homemaking
9. unemployed
10. other

9. What is the usual work or job of your mother (or female guardian)? If you do not have a mother or female guardian, go to question #10.

1. professional (example: accountant, doctor, lawyer, teacher, nurse, engineer, military officer)
2. business (example: owner, executive officer, manager)
3. factory or farm worker, miner, labourer, waitress, cook, truck driver
4. clerical (example: sales clerk, secretary)
5. sales (example: real estate, insurance)
6. skilled worker (example: carpenter, electrician, plumber, police officer, chef)
7. farming or fishing
8. homemaker
9. unemployed
10. other

PART B: TOBACCO USE

10. In the past 12 months, how many cigarettes did you usually smoke per day?

1. I have never smoked
2. I did not smoke cigarettes in the last 12 months
3. I tried one cigarette in the last 12 months
4. Less than one cigarette a day
5. One or two cigarettes a day
6. Three to five cigarettes a day
7. Six to ten cigarettes a day
8. 11 to 15 cigarettes a day
9. 16 to 20 cigarettes a day
10. More than 20 cigarettes a day

11. In the past 12 months, how often did someone make you feel that you should use cigarettes?

1. Never
2. Once
3. A few times
4. Often

If you have smoked in the <u>past 12 months</u>, answer questions 12 through 14. If you have <u>not</u> had a cigarette in the <u>past 12 months</u>, go to question 15.

---

12. Which <u>one</u> of the following comes closest to the reason you tried cigarettes the first time (circle only one answer)?

1. I wanted to see what it was like
2. My friends were smoking cigarettes
3. It seemed like fun
4. My brothers or sisters were smoking cigarettes
5. I wanted to relax or relieve tension
6. I was bored, there was nothing else to do
7. I thought it would make me seem more grown-up
8. I felt pressured into it
9. One or both of my parents (guardians) smoked
10. Other

13. Have you ever tried to quit smoking?

1. YES
2. NO

14. Which one of the following reasons comes closest to why you continue smoking?

1. It's too hard to quit
2. I'd gain weight if I quit
3. My friends smoke
4. I like the taste of tobacco
5. It makes me feel older
6. It makes me look sophisticated
7. I don't smoke anymore
8. Other

PART C: ALCOHOL

15. In the <u>past 12 months</u>, how often have you used alcohol - beer, wine or liquor (rum, whisky, etc.)?

1. Not at all
2. Just a sip
3. Once a month or less often
4. 2 or 3 times a month
5. Once a week
6. Twice a week
7. Three times a week
8. 4 or 5 times a week
9. Almost every day - 6 or more times a week

16. How easy or difficult would it be for you to get alcohol if you wanted some?

1. Impossible for me to get alcohol
2. Difficult for me to get alcohol
3. Easy for me to get alcohol
4. I don't know

17. In the <u>past 12 months</u>, on how many occasions did someone make you feel that you should use alcohol?

1. Never
2. Once
3. A few times
4. Often

18. How many of your friends use alcohol?

1. None
2. A few
3. About half
4. Most
5. All

If you had a drink of alcohol (beer, wine or liquor) in the <u>past 12 months</u>, answers questions 19 to 37. If you have <u>not</u> had a drink of alcohol in the <u>past 12 months</u>, go to question 38. Be sure to go to #38 on the response sheet.

---

19. In the past <u>12 months</u>, on how many occasions did you drink alcohol <u>with your parents (guardians)</u>?

1. Not at all
2. Just a sip
3. Once a month or less
4. 2 or 3 times a month
5. Once a week
6. Twice a week
7. Three times a week
8. 4 or 5 times a week
9. almost every day - 6 or more times a week

20. In the past 12 months, on how many occasions did you drink alcohol when <u>your parents (guardians) were not present</u>?

1. Not at all
2. Just a sip
3. Once a month or less
4. 2 or 3 times a month
5. Once a week
6. Twice a week
7. Three times a week
8. 4 or 5 times a week
9. almost every day - 6 or more times a week

For the next 3 questions:
- 1 bottle of beer is about 340 ml.
- 1 glass of wine is about 120 ml.
- 1 shot glass of liquor is about 40 ml.

If you don't know exactly how much you drank, choose the answer you think comes closest.

21. When you drink alcohol, about how many bottles of beer, glasses of wine, or shots of liquor would you usually have at one sitting?

1. Just a sip
2. Less than one
3. One or two
4. Three or four
5. Five or six
6. Seven or eight
7. Nine or more

22. When you drink with your parents (guardians) how many drinks do you usually have at one sitting?

1. I don't drink with my parents
2. Just a sip
3. Less than one
4. One or two
5. Three or four
6. Five or six
7. Seven or eight
8. Nine or more

23. When you drink and your parents (guardians) are not with you, how many drinks do you usually have at one sitting?

1. I only drink when my parents are present
2. Just a sip
3. Less than one
4. One or two
5. Three or four
6. Five or six
7. Seven or eight
8. Nine or more

24. How many times in the past 30 days has drinking alcohol made you drunk (wasted, bombed)?

1. Never
2. Once
3. Twice
4. Three times
5. Four Times
6. Five or more times
7. I have not had a drink of alcohol in the past 30 days

25. In the <u>past 12 months</u>, has drinking affected your school work or exams so that you did not do so well?

1. Yes
2. No

26. In the <u>past 12 months</u>, has your drinking caused tension or disagreement with family or friends?

1. Yes
2. No

27. In the <u>past 12 months</u>, have you been in trouble with the police as a result of your drinking?

1. Yes
2. No

28. In the <u>past 12 months</u>, have you been in trouble with teachers or the principal as a result of your drinking (example: in class, or at a school dance)?

1. Yes
2. No

29. In the <u>past 12 months</u>, have you consumed alcohol before going to a party?

1. Yes
2. No

30. In the <u>past 12 months</u>, has the cost of alcohol caused you to give up buying other things?

1. Yes
2. No

31. In the past 12 months, have you had a blackout from drinking (when you can't remember what happened to you)?

1. Yes
2. No

32. In the past 12 months, did you drink alcohol while alone?

1. Yes
2. No

33. In the past 12 months, have you consumed alcohol before or instead of breakfast?

1. Yes
2. No

34. In the past 12 months, when drinking, have you destroyed things or physically hurt someone?

1. Yes
2. No

35. In the past 12 months, has your drinking resulted in your own personal injury?

1. Yes
2. No

36. In the past 12 months, how often have you been drinking in a bar, tavern, beverage room or lounge?

1. Never
2. Once or twice
3. Three or four times
4. Five to ten times
5. More than ten times

37. In the past 12 months, have you used fake identification or lied about your age in order to get alcohol?

1. Never
2. Once or twice
3. Three or four times
4. Five to ten times
5. More than ten times

PART D: CANNABIS AND OTHER DRUGS

38. In the <u>past 12 months</u>, how often did you use CANNABIS (Marijuana, Grass, Weed, Pot, Hash, Hash Oil)?

1. I do not know what cannabis is
2. I have never used cannabis
3. I did not use cannabis in the past 12 months
4. One time
5. Two times
6. Three or four times
7. Five to eight times
8. Nine to 12 times
9. Thirteen to 26 times
10. Twenty-seven or more times (more than twice a month)

39. How easy or difficult would it be for you to get cannabis (marijuana, etc.) if you wanted some?

1. I do not know what cannabis is
2. Impossible for me to get cannabis
3. Difficult for me to get cannabis
4. Easy for me to get cannabis
5. I don't know

40. In the <u>past 12 months</u>, how often did someone make you feel that you should use cannabis?

1. Never
2. Once
3. A few times
4. Often

41. In the <u>past 12 months</u>, did you sniff GLUE (such as, airplane glue, contact cement) in order to get high?

1. Not at all
2. One time
3. Two times
4. Three to four times
5. Five to eight times
6. Nine to 12 times (once a month)
7. Thirteen to 26 times (twice a month)
8. Twenty-seven or more times (more than twice a month)

42. In the <u>past 12 months</u>, did you sniff SOLVENTS (such as, nail polish remover, paint thinner, gasoline) in order to get high?

1. Not at all
2. One time
3. Two times
4. Three to four times
5. Five to eight times
6. Nine to 12 times (once a month)
7. Thirteen to 26 times (twice a month)
8. Twenty-seven or more times (more than twice a month)

43. In the <u>past 12 months</u>, have you taken TRANQUILIZERS (such as Valium®, Librium®, Serax®, Ativan®, Xanax®, <u>as prescribed for you by your doctor</u>?

1. I do not know what tranquilizers are
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

44. In the <u>past 12 months</u>, have you taken TRANQUILIZERS (Tranqs, 5s, 10s) without a prescription or without a doctor telling you to take them?

1. I do not know what tranquilizers are
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

45. In the past 12 months, have you taken LSD, (acid, cid)?

1. I do not know what LSD is
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

46. In the past 12 months, have you used PCP (Angel Dust, Dust, Horse Tranquilizer)?

1. I do not know what PCP is
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

47. In the past 12 months, have you used Psilocybin (Magic Mushrooms, Shrooms) or Mescaline (Mesc)?

1. I do not know what these drugs are
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

48. In the <u>past 12 months</u>, have you taken BARBITURATES (such as, Seconal®, Amytal®, Fiorinal®, Tuinal®) <u>as prescribed to you by your doctor</u>?

1. I do not know what barbiturates are
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

49. In the <u>past 12 months</u>, have you taken BARBITURATES (downers, bombers) <u>without</u> a prescription or <u>without</u> a doctor telling you to take them?

1. I do not know what barbiturates are
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

50. During the <u>past 12 months</u>, have you taken QUABALINE (flake, quabs)?

1. I do not know what Quabaline is
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

51. In the <u>past 12 months</u>, have you taken HEROIN or MORPHINE (H, junk, or Smack)?

1. I do not know what they are
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

52. In the <u>past 12 months</u>, have you used "CRACK" or crack cocaine?

1. I do not know what crack is
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

53. In the <u>past 12 months</u>, have you used COCAINE other than CRACK COCAINE?

1. I do not know what cocaine is
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

54. How easy or difficult would it be for you to get cocaine if you wanted some?

1. I do not know what cocaine is
2. Impossible for me to get cocaine
3. Difficult for me to get cocaine
4. Easy for me to get cocaine
5. I don't know

55. In the past 12 months, have you taken STIMULANTS (Benzedrine®, Dexedrine®, diet pills) as prescribed for you by your doctor?

1. I do not know what stimulants are
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

56. In the past 12 months, have you taken STIMULANTS (speed, uppers, bennies, pep pills) without a prescription or without a doctor telling you to do so?

1. I do not know what stimulants are
2. Not at all
3. One time
4. Two times
5. Three or four times
6. Five to eight times
7. Nine to 12 times (once a month)
8. Thirteen to 26 times (twice a month)
9. Twenty-seven or more times (more than twice a month)

57. In the past 12 months, have you taken the methamphetamine drug known as "ice"?

1. I do not know what methamphetamine is
2. Yes
3. No

58. In the past 12 months, have you taken ANABOLIC STEROIDS (such as: testosterone, dianabol, growth hormones) to increase your performance in some sport or activity and/or to change your physical appearance?

1. Yes
2. No

59. In the past 12 months, have you used any drug by injection or needle?

1. Yes
2. No (if no, go to question 64)

60. In the past 12 months, have you injected drugs for medical reasons (example: insulin)?

1. Yes
2. No

61. In the past 12 months, have you injected heroin, "speed" or LSD?

1. Yes
2. No

62. In the past 12 months, have you injected steroids?

1. Yes
2. No

63. In the past 12 months, have you shared needles or syringes with others?

1. Yes
2. No

64. Have you ever expressed concern to a friend about his/her use of alcohol or another drug?

1. Yes
2. No

65. Has a friend ever expressed concern about your own use of alcohol or another drug?

1. Yes
2. No

66. If you had a friend who had a problem with alcohol or another drug, what would you do? (Select only one)

1. Nothing
2. Talk with my friend who has the problem
3. Talk with a teacher, school councellor or school nurse
4. Talk with my parents
5. Talk with my other friends
6. Call the help-line
7. Talk with a peer drug education person
8. Contact the local drug commission office
9. Call the police

67. If you, personally, had a problem with alcohol or another drug, what would you do? (Select only one)

1. Nothing
2. Talk with a teacher, school councellor or school nurse
3. Talk with my parents
4. Talk with a peer drug education person
5. Call the help-line
6. Contact the local drug commission office
7. Call the police
8. Talk with my friends
9. Talk to an older family member, other than my parents

PART E: OTHER INFORMATION

68. How many classes have you had in <u>this</u> school year that talked about <u>alcohol</u>?

1. None
2. One or two classes
3. Three or four classes
4. Five or six classes
5. Seven or more classes

69. How many classes have you had in <u>this</u> school year that talked about <u>tobacco</u> products?

1. None
2. One or two classes
3. Three or four classes
4. Five or six classes
5. Seven or more classes

70. How many classes have you had in <u>this</u> school year that talked about drugs other than alcohol or tobacco?

1. None
2. One or two classes
3. Three or four classes
4. Five or six classes
5. Seven or more classes

71. How many classes have you had in <u>this</u> school year that talked about decision-making, peer pressure, or assertiveness?

1. None
2. One or two classes
3. Three or four classes
4. Five or six classes
5. Seven or more classes

72. Did you ever receive peer drug education, where senior high school students came to teach your class?

1. Yes
2. No
3. I'm not sure

Thank you for your participation in this survey.

Place your questionnaire and response sheet in the brown envelope and seal it. Please sit quietly until your classmates have also finished.

APPENDIX B

PILOT STUDY

Evaluation Guide for Pilot Study
(Stacey, 1984)

You have been selected to help us improve the attached survey. You were selected because you are like the students who will complete the survey for a study. Please complete the survey and then answer the questions below. Thanks for your help.

1. Were the directions on how to complete the survey written in a way that was easy for you to understand?

1. YES _____
2. NO _____
Comments:

2. Did the title clearly tell you what the survey was about?

1. YES _____
2. NO _____
Comments:

3. Were there any questions that you could not answer because they were not asked clearly?

1. YES
2. NO
Comments:

4) Were there any questions that you could not answer because they were too personal?

1. YES
2. NO
Comments:

5) Did any of the questions not provide a complete list of choices?

1. YES
2. NO
Comments:

6) Do you think the survey was too long?

1. YES
2. NO
Comments:

7) Were there any words in the survey that you didn't understand?

1. YES
2. NO
Comments:

8) Do you believe that if you were in this study your answers would be kept confidential?

1. YES
2. NO
Comments:

9) Was the purpose of this survey clearly explained to you?

1. YES
2. NO
Comments:

10) Did you feel you could ask questions about the survey?

1. YES
2. NO

APPENDIX C

REGIONS

School Board Districts Included in Each Region:

Cape Breton:	Cape Breton Inverness Northside-Victoria
North:	Colchester East Hants Cumberland Pictou Antigonish Guysborough
Metro:	Halifax Dartmouth Halifax County and Bedford
South:	Hants West Kings Annapolis Digby Clare-Argyle Yarmouth Shelburne Queens Lunenburg

APPENDIX D

NUMBER OF CLASSES

TOTAL NUMBER OF CLASSES
(Number of Classes Sampled)

Region	Gr. 7	Gr. 9	Gr. 10	Gr. 12	Total
Cape Breton Island	108 (9)	114 (10)	108 (10)	96 (10)	426 (39)
Halifax-Dartmouth-Bedford	169 (14)	164 (12)	158 (13)	144 (14)	635 (53)
North	111 (10)	109 (9)	112 (10)	102 (10)	434 (39)
South	138 (12)	138 (12)	127 (9)	107 (11)	510 (44)
Total Number (Number Sampled)	526 (45)	525 (43)	505 (42)	449 (45)	2,005 (175)

APPENDIX E

ESTIMATED NUMBER OF STUDENTS

NUMBER OF STUDENTS

Region	Gr. 7	Gr. 9	Gr. 10	Gr. 12	Total
Cape Breton Island	2,584	2,782	2,649	2,431	10,446
Halifax-Dartmouth-Bedford	4,148	4,010	4,266	4,140	16,564
North	2,871	2,765	2,887	2,421	10,944
South	3,191	3,314	3,034	2,583	12,122
Total	12,794	12,871	12,836	11,575	50,076

APPENDIX F

COMPUTER RESPONSE SHEETS

SIDE 1

GENERAL PURPOSE - NCS®- ANSWER SHEET

SEE IMPORTANT MARKING INSTRUCTIONS ON SIDE 2

NAME (Last, First, M.I.)

SEX (M) (F)

GRADE OR EDUC 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

BIRTH DATE			IDENTIFICATION NUMBER										SPECIAL CODES					
MO.	DAY	YR.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Jan.																		
Feb.																		
Mar.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
May	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jun.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Jul.		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Aug.		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Sep.		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Oct.		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Nov.		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Dec.		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

	A	B	C	D	E	F	G	H	I	J
1	1	2	3	4	5	6	7	8	9	10
2	1	2	3	4	5	6	7	8	9	10
3	1	2	3	4	5	6	7	8	9	10
4	1	2	3	4	5	6	7	8	9	10
5	1	2	3	4	5	6	7	8	9	10
6	1	2	3	4	5	6	7	8	9	10
7	1	2	3	4	5	6	7	8	9	10
8	1	2	3	4	5	6	7	8	9	10
9	1	2	3	4	5	6	7	8	9	10
10	1	2	3	4	5	6	7	8	9	10
11	1	2	3	4	5	6	7	8	9	10
12	1	2	3	4	5	6	7	8	9	10
13	1	2	3	4	5	6	7	8	9	10
14	1	2	3	4	5	6	7	8	9	10
15	1	2	3	4	5	6	7	8	9	10
16	1	2	3	4	5	6	7	8	9	10
17	1	2	3	4	5	6	7	8	9	10
18	1	2	3	4	5	6	7	8	9	10
19	1	2	3	4	5	6	7	8	9	10
20	1	2	3	4	5	6	7	8	9	10
21	1	2	3	4	5	6	7	8	9	10
22	1	2	3	4	5	6	7	8	9	10
23	1	2	3	4	5	6	7	8	9	10
24	1	2	3	4	5	6	7	8	9	10
25	1	2	3	4	5	6	7	8	9	10
26	1	2	3	4	5	6	7	8	9	10
27	1	2	3	4	5	6	7	8	9	10
28	1	2	3	4	5	6	7	8	9	10
29	1	2	3	4	5	6	7	8	9	10
30	1	2	3	4	5	6	7	8	9	10
31	1	2	3	4	5	6	7	8	9	10
32	1	2	3	4	5	6	7	8	9	10
33	1	2	3	4	5	6	7	8	9	10
34	1	2	3	4	5	6	7	8	9	10
35	1	2	3	4	5	6	7	8	9	10
36	1	2	3	4	5	6	7	8	9	10
37	1	2	3	4	5	6	7	8	9	10
38	1	2	3	4	5	6	7	8	9	10
39	1	2	3	4	5	6	7	8	9	10
40	1	2	3	4	5	6	7	8	9	10
41	1	2	3	4	5	6	7	8	9	10
42	1	2	3	4	5	6	7	8	9	10
43	1	2	3	4	5	6	7	8	9	10
44	1	2	3	4	5	6	7	8	9	10
45	1	2	3	4	5	6	7	8	9	10
46	1	2	3	4	5	6	7	8	9	10
47	1	2	3	4	5	6	7	8	9	10
48	1	2	3	4	5	6	7	8	9	10
49	1	2	3	4	5	6	7	8	9	10
50	1	2	3	4	5	6	7	8	9	10
51	1	2	3	4	5	6	7	8	9	10
52	1	2	3	4	5	6	7	8	9	10
53	1	2	3	4	5	6	7	8	9	10
54	1	2	3	4	5	6	7	8	9	10
55	1	2	3	4	5	6	7	8	9	10
56	1	2	3	4	5	6	7	8	9	10
57	1	2	3	4	5	6	7	8	9	10
58	1	2	3	4	5	6	7	8	9	10
59	1	2	3	4	5	6	7	8	9	10
60	1	2	3	4	5	6	7	8	9	10

APPENDIX G

PART F OF SURVEY

PART F: PERCEIVED ENVIRONMENT

73. How do you think your parents (guardians) feel about someone your age drinking alcohol?

1. They strongly disapprove
2. They disapprove
3. They don't seem to care
4. They approve
5. They strongly approve

74. How strict are your parents (guardians) with you?

1. Very strict
2. Strict
3. Not too strict
4. Not strict at all

75. How often do your parents (guardians) show interest in what you think or in how you feel about different things?

1. Almost always
2. Sometimes
3. Hardly ever

76. How close do you feel to your parents (guardians)?

1. Very close
2. Close
3. Not too close

77. When you are having problems in your life, can you talk them over with your parents (guardians)?

1. Yes
2. It depends on what the problems are
3. No

78. Do your friends and your parents (guardians) agree about what is important in life?

1. No
2. A little
3. A lot

79. Do your friends and your parents (guardians) agree on the kind of person you should become?

1. No
2. A little
3. A lot

80. Do your friends and your parents (guardians) agree on what you should be getting out of being in school?

1. No
2. A little
3. A lot

81. If you had to make a serious decision, whose advice would you listen to more?

1. Friends
2. Friends and parents (guardians) equally
3. Parents (guardians)

82. If you had to make a decison about caring for your health, who would you listen to more?

1. Friends
2. Friends and parents (guardians) equally
3. Parents (guardians)

83. Is your outlook on life more like your friends or parents (guardians)?

1. Friends
2. Friends and parents (guardians) equally
3. Parents (guardians)

Note--The results of these questions were used in Adolescent Drinking and the Perceived Parent-Adolescent Environment: A Comparison of Two Grade Levels, a thesis submitted in partial fullfillment of the requirements for a degree of Master of Arts at Dalhousie Univesity, 1991.

APPENDIX H

TEACHER INSTRUCTIONS

1991 Nova Scotia Survey on Student Drug Use

Teacher Instructions

Project Description

The 1991 Nova Scotia Survey on Student Drug Use is being conducted for the Nova Scotia Commission on Drug Dependency. Approximately 5,000 questionnaires will be completed by students in Grades 7, 9, 10 and 12 throughout the province. Questions relate to students' awareness and use to tobacco, alcohol, cannabis (marijuana) and other drugs. The classes to which the questionnaire will be administered, the schools and School Board have been selected according to a specified study design. Students are asked not to identify themselves and all information is to remain strictly confidential. A brown envelope has been provided for each student to ensure confidentiality.

To standardize the procedure for administration of the survey, we ask that you closely follow these instructions. The survey takes approximately 35-45 minutes to complete. A student not wishing to participate should be asked to sit quietly and read until the others have completed. While students are responding to the questionnaire, please do not circulate through the class, unless there are questions. They may encourage students to respond more honestly.

The results of this survey will be used by the Nova Scotia Commission on Drug Dependency and Boards of Education to plan drug education programs. Thank you for administering the survey to your class. The pencils are for the students to keep.

INSTRUCTIONS

1. *Give each student a survey package.*

2. *Ensure each student has a survey package and a pencil.*

3. *Read the first two pages of the questionnaire to students. Inform them that when they have completed the survey, they are to remain quiet until their classmates are finished.*

4. *Allow students sufficient time to finish the survey (about 35-45 minutes).*

5. *Any student who does not wish to respond should place the questionnaire and response sheet in the envelope provided and sit quietly until the class has finished.*

6. *Please complete the Teacher Response Sheet attached.*

7. *When students have finished, have them place their individual response sheet and questionnaire in the envelope provided. Collect the envelopes, once sealed by students, and return them to the principal.*

8. *The principal will forward the sealed envelopes and the Teacher's Response Sheets to:*

Patricia MacNeil
Coordinator,
Documentation, Evaluation and Research
Nova Scotia Commission on Drug Dependency
5675 Spring Garden Road
6th Floor, Lord Nelson Building
Halifax, Nova Scotia
B3J 1H1

TEACHER RESPONSE SHEET

To ascertain response rates and confidence levels, we ask that each teacher return this sheet with the questionnaires completed by his/her class. Thank you.

Number of Students in the Class _____

Number of Students who completed the questionnaire _____

Number of Students absent _____

APPENDIX I

RESPONSE RATES

	Number	Percent
Classes selected	180	
Respondent classes	175	97.2%
Non-respondent classes	5	2.8%

Due to incomplete information on class size and the number of student absent for 11 respondent classes, we will present an estimate for respondency rate. We can get this estimate in two ways.

1) Estimated respondency rate based on 164 classes for which information on the class size and the number of absentees is available.

Number of Enrolled Students	3846
Number of Absentees	430
Number of Respondent Students	3328

Respondency rate of students present that day 3328/(3846-430 = 97.4%

Respondency rate of students enrolled 3328/3846 = 86.5%

2) Estimated respondency rate based on substituting an average size of class for the 11 classes for which we do not have the information.

Number of students enrolled in 164 classes (known)	3846
Estimated number of students enrolled in the 11 classes	275
Total estimated number of enrolled students	4121
Number of Respondent students (known)	3586
Estimated Respondency rate	93.2%

APPENDIX J

NEEDS ASSESSMENT

10 July 1991

Dear

The Nova Scotia Commission on Drug Dependency recently completed a drug use survey of over 4500 junior and senior high school students. For the purposes of this study, the province was divided into four regions: North, South, Cape Breton and Halifax-Dartmouth-Bedford. We are currently in the process of analyzing the results and hope to release information on the province as a whole, and for each region, by November.

Not all individuals and groups who are interested in this survey have the same needs. In order for the results to have a substantial impact, the relevant information must be accessible to key people in the community. By completing the enclosed Drug Information Assessment Form you can help us tailor the release of information to better suit your needs. While we cannot release separate reports for every group, perhaps we can develop a strategy that is more effective than the traditional release of a single report.

Please take a few minutes to complete the attached questionnaire and return it to me. If you have any questions, do not hesitate to call me at 424-3283.

Sincerely,

Stephen Shaffelburg
Research Officer/Analyst
Nova Scotia Commission on Drug Dependency
5675 Spring Garden Road
6th Floor, Lord Nelson Building
Halifax, NS
B3J 1H1

DRUG INFORMATION ASSESSMENT

The following is a list of the topics that were covered in the 1991 Student Drug Use Survey. Please rank each topic by circling whether you believe the information would not be important in your work (1), somewhat important (2), or very important (3).

Drug Use - Prevalence	Not Important	Somewhat Important	Very Important
. Tobacco	1	2	3
. Alcohol	1	2	3
. Cannabis	1	2	3
. Cocaine	1	2	3
. Inhalants	1	2	3
. Prescription Drugs	1	2	3
. Other drugs - Please Specify _____ _____	1	2	3
Demographics			
. Age	1	2	3
. Grade	1	2	3
. Gender	1	2	3
. School Size	1	2	3
. Region	1	2	3
Risk Factors Related to Drug Use			
. How difficult to get	1	2	3
. Peer Pressure	1	2	3
. Living Arrangements	1	2	3
. Drug Ed Classes	1	2	3
. Parental Education/Occupation	1	2	3
. Relationship with Parents	1	2	3
More on Alcohol			
. Drinking with Parents	1	2	3
. Drinking without Parents	1	2	3
. Associated Problems (e.g. failing grades/fighting)	1	2	3
. Drinking in Bar/Fake ID	1	2	3

Are you interested in trends in student drug use over the past 10 years?

Yes _____ No _____

Are there any topics you would like to see included in future surveys?

How would you like to see the results released? (Reports, pamphlets, presentations, press releases, etc.)

Would you be interested in attending a workshop to discuss the survey results and begin to explore intervention strategies?

Yes _____ No _____

Additional Comments:

Name: _____

Affiliation: _____

Address: _____

_____

_____

PLEASE RETURN BEFORE JULY 26, 1991.

Thank you!

APPENDIX K

WORKSHOP

1991 SURVEY ON STUDENT DRUG USE WORKSHOP

WORKSHOP OBJECTIVES

1. *The facilitator will present a summary of the 1991 Nova Scotia Student Drug Use Survey to key informants in the community. This summary will include information on prevalence, trends and risk factors of youth substance use/abuse.*

2. *The workshop participants will identify the key issues/problems of youth substance use/abuse.*

3. *The workshop participants will explore and recommend strategies to address the issues and problems identified.*

WORKSHOP PROCESS

TIME	CONTENT	FORMAT
60 min.	Welcome/Introduction Survey Results: Prevalence Regional Differences 14 Year Trends Risk Factors	 Lecture Format Overheads Summary Report/ or Highlight Report
15 min.	Break	
60 min.	Identifying Issues/ Problems Youth Substance Use/Abuse	Small Group Discussion/ Group Reports/ Large Group
45 min.	Identifying Solutions	Small Group Discussion Group Reports/ Large Group
30 min.	Action Plan Evaluation/closure	Large Group Discussion

1991 SURVEY ON STUDENT DRUG USE WORKSHOP

WORKSHEET: IDENTIFYING ISSUES

Time: 30 Minutes Small Group Discussion / 30 Minutes Group Reports and Large Group Discussion

Please select a spokesperson and recorder for your group. Your answers should be recorded on flip chart paper.

Your task as a small group is to identify key issues/problems of youth substance use/abuse. Your group spokesperson will present your ideas to the large group.

Key Issues/Problems of Youth Substance Use/Abuse.

WORKSHEET: IDENTIFYING SOLUTIONS

Time: 25 Minutes Small Group Discussion / 20 Minutes Group Reports and Large Group Discussion

Please select a spokesperson and recorder for your group. Your answers should be recorded on flip chart paper.

Your task as a small group is to identify possible solutions to the identified issues and problems of youth substance use/abuse. Your group spokesperson will present your ideas to the large group.

Possible Solutions

1991 SURVEY ON STUDENT DRUG USE WORKSHOP

WORKSHEET: ACTION PLAN

Time: 10 Minutes Individual / 10 Minutes Large Group Discussion

Please identify specific action you plan to undertake in the next six months regarding Youth Substance Use / Abuse Prevention or Intervention Initiatives.

1991 SURVEY ON STUDENT DRUG USE WORKSHOP

PROGRAM EVALUATION

Please rate your satisfaction with the following sections of the workshop. Your comments will help us to revise the program.

	Very Low 1	Low 2	Undecided 3	High 4	Very High 5
1. Welcome/Introductions Survey Results Comments:					
2. Identifying Issues Comments:	1	2	3	4	5

3. What do you identify as the major issue/problem of youth substance use/abuse?

4. Identifying Solutions Comments:	1	2	3	4	5

continued.../2

EVALUATION (CONT'D)

5. Briefly describe your Action Plan in relation to youth drug use prevention/intervention.

6. How do you rate the overall workshop? 1 2 3 4 5

7. Your Suggestions For Change

Thank you for your assistance.

REFERENCES

Boyle M. H., Offord, D.R., and Hofmann H.F. (1987). Ontario Child Health Study: I. Methodology. Archives of General Psychiatry, 44, 826-831.

Dean A.G., Dean J.A., Burton A.H., and Dicker R.C. (1990). Epi Info, Version 5: a wordprocessing, database, and statistics program for epidemiology on microcomputers. USD Inc., Stone Mountain, GA.

Kokkevi A, Stefanis C. The epidemiology of licit and illicit substance use among high school students in Greece. American Journal of Public Health, 81, 48-52.

Midanick, L. T. (1988). The validity of self-reported alcohol use. British Journal of Addiction, 83, 1019-1029.

Neumann, B., Mitic, W., and McGuire, D. (1987) Drug Use Among Halifax Secondary School Students: 1986. Halifax, Nova Scotia Commission on Drug Dependency.

Mitic W.R., McGuire D.P., Neumann B. (1989) Trends in adolescent alcohol consumption ion Halifax, Nova Scotia -1970-1986. Canadian Journal of Public Health, 80, 46-49.

Smart, R. G., and Adlaf, E. M. (1989). The Ontario Student Drug Use Survey: Trends Between 1977-1989. Toronto: ARF.

Smart, R. G. (1985). Guidelines for the Development of Canadian Surveys of Alcohol and Drug Use Among Students. Ottawa: Health and Welfare Canada.

SPSS (1990). Statistical Package for the Social Sciences--Version 4.0. Chicago: SPSS Inc.

Stacey, R. D. (1984). Instrument evaluation guide for survey research in health education and promotion. Health Education, 18(5), 65-67.